

19980319.qrp v01\_n034.qrs.980319

Date: Thu, 19 Mar 1998 19:03:13 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1034

QRP-L Digest 1034

Topics covered in this issue include:

- 1) [6325] [Fwd: Fluke RF Probes - - The BEST deal yet!!! - Addenda  
by Brian Kassel <bkassel@dancris.com>
- 2) [6326] Re: Caps in Sierra Band Modules  
by "Steve Galchutt" <n0tu@webaccess.net>
- 3) [6327] Re: Audio thru PC speaker  
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 4) [6328] toroid advice: thanks!  
by NF9K <NF9K@aol.com>
- 5) [6329] Re: Is a kit considered "Home-Brew"?  
by kt3a@juno.com (Cameron C.R. Bailey)
- 6) [6330] Re: Caps in Sierra Band Modules  
by LYN WILLIAMS <designserv@ipass.net>
- 7) [6331] Re: Audio thru PC speaker  
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 8) [6332] Sale of Trade  
by "Dan Wolfe" <n4roa@mounet.com>
- 9) [6333] tuna/heering  
by dave\_epps@juno.com
- 10) [6334] SLR rcvr  
by dave\_epps@juno.com
- 11) [6335] FOX: Tomorrow night!  
by "Michael Connor" <mikec@primenet.com>
- 12) [6336] ICOM Reflector?  
by Tim Ahrens <tahrens@inetport.com>
- 13) [6337] Re: Copperweld wire  
by "David D. Meacham" <ddm@datatamers.com>
- 14) [6338] Re: tuna/heering  
by Roger Hightower <n7kt@earthlink.net>
- 15) [6339] RE: New 38-S: the 44-MAGNUM  
by Bob <hb\_elec@ids.net>
- 16) [6340] site update  
by "duane" <duane@flinet.com>
- 17) [6341] Re: Caps in Sierra Band Modules  
by "John A. Evans - N0HJ" <jaevans@codenet.net>
- 18) [6342] FS: QRP Book Package / Key  
by "Tim Cook" <timcook@erinet.com>
- 19) [6343] Re: FOX: Tomorrow night!

- by Monte Stark <ku7y@dri.edu>
- 20) [6344] Congrats to AA1MY and the rest of the CT Hams  
by Joe Gervais <vole@primenet.com>
- 21) [6345] Re: ICOM Reflector?  
by "Brian K. Short" <shortckt@primenet.com>
- 22) [6346] Re: Milestone now has Nye keys & Spelling..  
by "George T. Baker" <w5yr@swbell.net>
- 23) [6347] Backpacking QRP this weekend  
by herr@ridgecrest.ca.us (Michael Herr)
- 24) [6348] Re: ICOM Reflector?  
by Tim Ahrens <tahrens@inetport.com>
- 25) [6349] Re: FOX: Tomorrow night!  
by Tim Ahrens <tahrens@inetport.com>
- 26) [6350] Re: New 38-S: the 44-MAGNUM  
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 27) [6351] update - opinions on kits  
by kd4zkw <kd4zkw@amsat.org>
- 28) [6352] Re: update - opinions on kits  
by Joe Gervais <vole@primenet.com>
- 29) [6353] Attention Southern California QRPers  
by "Paul Carreiro, N6EV" <n6ev@badger1.net>
- 30) [6354] 80m TAC-1 mods  
by gsurrency@juno.com (Gary L Surrency)
- 31) [6355] RE: Which kit to build?  
by gsurrency@juno.com (Gary L Surrency)
- 32) [6356] RUFZ cw  
by Fred Lesnick <flesnick@Quetico.tbaytel.net>
- 33) [6357] mobile mount for ft 747//////////lost address  
by RangerSF5 <RangerSF5@aol.com>
- 34) [6358] //////////FT 747 GX MOBILE MOUNT LOST ADDRESS  
by RangerSF5 <RangerSF5@aol.com>
- 35) [6359] Re: opinions on kits  
by kb3bxv@juno.com (Skip Hamilton)
- 36) [6360] Re: Caps in Sierra Band Modules  
by Bruce Muscolino <w6toy@pop.erols.com>
- 37) [6361] Filter  
by "Dan Wolfe" <n4roa@mounet.com>
- 38) [6362] Re: Copperweld wire  
by "Bob Duckworth" <wb4mnf@atl.org>
- 39) [6363] RE: Caps in Sierra Band Modules  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 40) [6364] upgrade the Triton summery  
by eakwik@mail.hac.com
- 41) [6365] April QST  
by "David Maliniak" <dmaliniak@penton.com>
- 42) [6366] Not gonna sell that Corsair II after all  
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 43) [6367] 38 S power mod adjustments

by B1ljohn <B1ljohn@aol.com>  
44) [6368] FS: Sierra Norcal 40A with K-1  
by B1ljohn <B1ljohn@aol.com>  
45) [6369] Re: FOX: Tomorrow night!  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
46) [6370] SIERRA BAND MODULE MODS  
by marion@montana.com  
47) [6371] Fw: Copperweld wire  
by "Bob Follett" <bfollett@ditell.com>  
48) [6372] RE: Fw: Copperweld wire  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>  
49) [6373] Re: Copperweld wire  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
50) [6374] NPO caps?  
by Mike - W0TMW <crucis@sky.net>  
51) [6375] Re: Making dead lines, Dilbert in real life  
by Ed Loranger <we6w@qsl.net>  
52) [6376] FS- EMTECH Rigs  
by "Bob Kellogg" <ae4ic@nr.infi.net>  
53) [6377] Re: Making dead lines, Dilbert in real life  
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>  
54) [6378] Re: Novice/Tech+ Sprint  
by Jim Lowman <jmlowman@ix.netcom.com>  
55) [6379] ATTN: N9UXU Dave  
by flydnq7x@primenet.com (Floyd Smithberg)  
56) [6380] Re: April QST  
by KB9RPD <KB9RPD@aol.com>  
57) [6381] Re: Making dead lines, Dilbert in real life  
by LYN WILLIAMS <designserv@ipass.net>  
58) [6382] Re: Making dead lines, Dilbert in real life  
by Ed Loranger <we6w@qsl.net>  
59) [6383] Re: RIGS: SIMPLE WORKS TOO!  
by "Bruce Barley" <lbbbarley@feist.com>  
60) [6384] First Announcement for the APRIL SPARTAN SPRINT  
by Russ Carpenter <russ@natworld.com>  
61) [6385] Crystals  
by "Tim, KD5CKP" <Prog922@worldnet.att.net>  
62) [6386] Copperweld w/ aluminum core  
by "Bruce Barley" <lbbbarley@feist.com>  
63) [6387] Re: Crystals  
by LYN WILLIAMS <designserv@ipass.net>  
64) [6388] Re: Making dead lines, Dilbert in real life  
by "Robert P. Okas" <vintage@best.com>  
65) [6389] Re: Crystals  
by Roger Braker <msebrakr@telepath.com>  
66) [6390] Crystals  
by "Tim, KD5CKP" <Prog922@worldnet.att.net>  
67) [6391] RUFZ location?

by Bill Acito 19-Mar-1998 1402 <acito@asdg.ENABLE.com>  
68) [6392] Rick Littlefield 15m QRP rig  
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
69) [6393] Internet and Ham Radio  
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
70) [6394] Re: Crystals  
by LYN WILLIAMS <designserv@ipass.net>  
71) [6395] Re: Caps in Sierra Band Modules  
by Rick McNelly <72507.235@compuserve.com>  
72) [6396] Re: Caps in Sierra Band Modules  
by Rick McNelly <72507.235@compuserve.com>  
73) [6397] Re: Caps in Sierra Band Modules  
by Rick McNelly <72507.235@compuserve.com>  
74) [6398] RE: Crystals (add the VFO !)  
by Conrad <radman@best.com>  
75) [6399] Re: Crystals  
by "Tim, KD5CKP" <Prog922@worldnet.att.net>  
76) [6400] [Fwd: High speed CW again] RUFZ cw  
by Fred Lesnick <flesnick@Quetico.tbaytel.net>  
77) [6401] Re: RUFZ location?  
by Steve Pitts <stv@cnw.com>  
78) [6402] RE: NPO caps?  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>  
79) [6403] FOX hunt?  
by FrConrad <FrConrad@aol.com>  
80) [6404] 2nd Notification of Upcoming Special Event  
by aa8yo@juno.com (Robert J Fox)  
81) [6405] more supermorse for chuck  
by Mel Evans <MelEvansGM6JAG@compuserve.com>  
82) [6406] No sound, supermorse.  
by Mel Evans <MelEvansGM6JAG@compuserve.com>  
83) [6407] Re: Making dead lines, Dilbert in real life  
by Ed Loranger <we6w@qsl.net>  
84) [6408] RF power transistor  
by Roger Braker <msebrakr@telepath.com>  
85) [6409] Re: Crystals  
by "Tim, KD5CKP" <Prog922@worldnet.att.net>  
86) [6410] Fw: [Fwd: Hell freezes]  
by "JUNIUS B FOX" <w5hir@gte.net>  
87) [6411] Re: Making dead lines, Dilbert in real life  
by "Ron Smith" <resmith@primenet.com>  
88) [6412] FREE NICAD's - was Battery power for cool QRP'ing  
by Jim <kj5tf@mctc.com>  
89) [6413] History of Rick Littlefield QRP rig  
by PDouglas12 <PDouglas12@aol.com>  
90) [6414] still waiting Re: ramsey amp  
by RangerSF5 <RangerSF5@aol.com>  
91) [6415] Awash in ignorance

by FrConrad <FrConrad@aol.com>  
92) [6416] Re: SLR rcvr  
by Ed Loranger <we6w@qsl.net>  
93) [6417] Re: QRP-L digest 1033  
by Jerry Conover <jerry.conover@NAU.EDU>  
94) [6418] Re: Awash in ignorance  
by LYN WILLIAMS <designserv@ipass.net>  
95) [6419] Re: Awash in ignorance  
by "Tim, KD5CKP" <Prog922@worldnet.att.net>  
96) [6420] FREE batteries????YUP!!!!  
by RangerSF5 <RangerSF5@aol.com>  
97) [6421] Re: Hotel ops...  
by Niel Skousen <nskousen@scientech.com>  
98) [6422] Re: NPO caps?  
by "Phil, K6LS" <k6ls@prolynx.com>  
99) [6423] QST QRP Net ??  
by JkHampton <JkHampton@aol.com>

-----  
Date: Wed, 18 Mar 1998 17:15:50 -0800  
From: Brian Kassel <bkassel@dancris.com>  
To: qrp-l@Lehigh.EDU  
Subject: [6325] [Fwd: Fluke RF Probes - - The BEST deal yet!!! - Addenda  
Message-ID: <351071C6.6383@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dale Scott wrote:

> Yesterday I made yet  
> another trip down there to pick one up for a friend (they are coming out of the  
> woodwork - friends that is) and had a long talk with Kevin. He has located  
> 300+ surplus but unused Fluke 82 RF probes. These have the same specs as the  
> 85-RF but an older style packaging. He is selling them for \$9.95. For that  
> price I don't think you can go wrong.  
>  
> If you are interested contact Kevin at Radar (206) 282-2511. If you have any  
> questions about the probe that I might be able to answer email me. Yes - I  
> picked one up and I've also had Fluke fax me the spec sheet on it.  
>  
> Dale C. Scott

Thanks to Dale for notifying us of this great opportunity.

I just got off of the phone after having placed an order, and Kevin  
asked if I  
would add a comment to the information concerning the Fluke 82 probes,

as I happened to be the buyer that called first.

The Fluke name has been ground off of these units. Kevin doesn't know for sure why this was done, but among the possible reasons are:

- 1.) They were sold to an intermediate concern, and Fluke didn't want their name attached to the product, so that perhaps they would be obligated to provide product support.
- 2.) The units didn't meet spec. in some area.
- 3.) Etc.

He is sending me 2 units to examine and determine if they are within spec. etc.

Yes, I did pay for one of them.

As soon as I get them, I'll do some testing with my scope, Boonton 42-B microwave power meter etc.

Of course, you all are very welcome to just go ahead and place your orders.

Kevin just wanted to be sure that folks knew EXACTLY what they were getting.

I've never dealt with these folks before, and have no connection at all.

You know, that really impresses me, a re-seller that goes way out of their way to inform their customers of a possible problem, and at the risk of fewer sales to boot. All of this was Kevin's idea, not mine. At \$ 9.95 ea., I was quite happy to just "pay me money and take my chances".

As there is really so little to go wrong in these units, I would be very surprised if they aren't within spec., or at least good enough for Ham type measurements. We will check 'em out however, as requested.

As they say in Texas: "Film at 11"

Brian Kassel W5VBO  
ARCI # 3623  
Phoenix AZ ScQRPions

-----  
Date: Wed, 18 Mar 1998 17:24:14 -0700

From: "Steve Galchutt" <n0tu@webaccess.net>  
To: <72507.235@compuserve.com>  
Cc: "\"Low Power Amateur Radio Discussion\"> <qrp-1@Lehigh.EDU>  
Subject: [6326] Re: Caps in Sierra Band Modules  
Message-ID: <000601bd52cd\$5c214720\$39a8a3cc@SG2939M.webaccess.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Rick...there's several of us in the noise level still building Sierra  
band modules that need SM caps maybe we could do a group buy?  
72...Steve

-----  
n0tu - solar powered QRP & wire antennas @ 7,200' ASL  
Monument, Colorado - Grid Sq DM79nb  
email: n0tu@webaccess.net

-----Original Message-----

From: Rick McNelly <72507.235@compuserve.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, March 18, 1998 2:51 PM  
Subject: Caps in Sierra Band Modules

>Hello All,  
>  
> I'm ordering another band module for my Sierra and want to change C47, 48,  
>and  
>49 to decrease loss as per the mods I have seen posted.  
>  
> Silver micas are hard to find, RF Parts and Circuit Specialists list them  
>but  
>they have min orders. Is there another affordable source for these things?  
>Mouser lists practically any value needed in axial polystyrene with no min  
>order.  
>  
> Does it make a difference if the caps are silver micas or polystyrene?  
>  
>72/73's,  
>  
>--Rick, KE4IZH  
>  
>Chesapeake, Va.  
>  
>MP2.1K  
>

-----  
Date: Wed, 18 Mar 1998 16:31:00 -0800  
From: Chuck and Michele Snyder <csnyder@nextdim.com>  
To: Bill Howell <bhowell@mail.utexas.edu>  
Cc: qrp-1@Lehigh.EDU  
Subject: [6327] Re: Audio thru PC speaker  
Message-ID: <35106744.1A55C23A@nextdim.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks Bill, but I don't have Windows on my 386. Speak.exe is a Windows driver isn't it?

--  
Chuck Snyder (No\_Call\_Sign\_Yet)  
<http://www.nextdim.com/users/csnyder/index.htm>  
QRP-L #1462  
Spokane, WA

Bill Howell wrote:

> Chuck Snyder (No\_Call\_Sign\_Yet) Wrote:  
>  
> " You recall I don't have a sound card in my 386SX. For some strange  
> reason, my PC speaker doesn't work either. I checked for continuity and  
> it checks out as okay".  
> \*\*\*\*\*  
>  
> Chuck... you may need speak.exe... it allows audio to play  
> through the PC speaker.  
> As I recall, it was easy to install.  
>  
> If you need more info, email me.... the speak.txt file  
> which explains it, is a bit large to post here.  
>  
> You can find a download location by going to:  
> <http://ftpsearch.ntnu.no/> and searching for speak.exe.  
>  
> 72,  
>  
> Bill Howell  
> University of Texas at Austin  
> Performing Arts Center  
> Electronic Maintenance  
> N5ALO QRP-L #415



>

-----  
Date: Wed, 18 Mar 1998 19:22:52 EST  
From: NF9K <NF9K@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6328] toroid advice: thanks!  
Message-ID: <64ea129f.3510655e@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

All,

Thanks for all of the excellent advice on using 30-guage wire-wrap wire instead of magnet wire for toroids.

The consensus seems to be that the stuff should work electrically, but is less suited for the purpose in terms of mechanical considerations such as strength of insulation, thickness, windability, etc.

I think I will check out a couple of other RS outlets in my area, since several of you say they still carry the magnet wire I was originally looking for. To those of you who offered to send me wire FREE, thanks especially for your offers - I may yet take one of you up on it if RS falls through. This list is really a great resource, with lots of great people!

thanks again,  
Joel, NF9K

-----  
Date: Wed, 18 Mar 1998 19:12:09 -0500  
From: kt3a@juno.com (Cameron C.R. Bailey)  
To: ccraigie@email.msn.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [6329] Re: Is a kit considered "Home-Brew"?  
Message-ID: <19980318.194315.3334.5.kt3a@juno.com>

Hello Carter. See below my comments. Thanks for the interest, and I hope you are able to work the contest. I myself may be somewhat limited as my Guard unit is having an exercise that weekend.

Cameron C.R. Bailey  
Mount Wolf, Pennsylvania  
kt3a@juno.com

On Wed, 18 Mar 1998 13:21:12 -0500 "Carter Craigie"

<ccraigie@email.msn.com> writes:

>Dear Cam,

>

>The First Annual QRP TACTical Contest looks like it might be LOTS of  
>fun. I

>sure hope I'll be here to play in it. I may have to drive my wife  
>somewhere

>that weekend. At least in years past I have done so on that same  
>weekend in

>June...

>

>My question, nevertheless, has to do with the following:

>

>I have built two S & S Engineering QRP kits (1 for 40 and 1 for 80  
>meters).

If they are the TAC rigs, they are the perfect rigs for the TAContest!

>Obviously, I did not design these or even assemble the parts--nor did

>I even

>wind the toroids!

If you built the "Kit", then I consider it to be homebrew. That is even if some parts were pre-constructed. This is the line of QRP-ARCI.

Now, if someone else built the "Kit" for you, then you could not take credit for the homebrew category.>

>Therefore, I'm assuming that I CAN'T check the box for "Home-Brew."

Yes, you may.

>Would you agree or disagree with my last statement? I'll happily

>abide with

>your decision, whatever it is...

>

>By the way, I remember meeting you at the QRP session at last year's  
>York

>Hamfest. I'm sure you don't remember me, but I am a member of the QRP

>Society of Central Pennsylvania...

I remember you and thanks for attending.

>73, and thanks for taking the time to answer my question,

>

>Carter N3AO

>ccraigie@msn.com

I am copying this to the QRP-L mailing list in case there may be someone reading there who may wonder what the call is on this contest.

73, Cam, KT3A

>

>

>

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Wed, 18 Mar 1998 19:48:17 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: n0tu@webaccess.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6330] Re: Caps in Sierra Band Modules  
Message-ID: <35109581.CF4A41AE@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

What values of silvered mica are needed and how many per rig?  
Lyn, W4WDN

Steve Galchutt wrote:

> Hey Rick...there's several of us in the noise level still building Sierra  
> band modules that need SM caps maybe we could do a group buy?

> 72...Steve

>

> -----  
> n0tu - solar powered QRP & wire antennas @ 7,200' ASL

> Monument, Colorado - Grid Sq DM79nb

> email: n0tu@webaccess.net

> -----Original Message-----  
> From: Rick McNelly <72507.235@compuserve.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Date: Wednesday, March 18, 1998 2:51 PM  
> Subject: Caps in Sierra Band Modules  
>  
> >Hello All,  
> >  
> > I'm ordering another band module for my Sierra and want to change C47, 48,  
> and  
> >49 to decrease loss as per the mods I have seen posted.  
> >  
> > Silver micas are hard to find, RF Parts and Circuit Specialists list them  
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> >they have min orders. Is there another affordable source for these things?  
> >Mouser lists practically any value needed in axial polystyrene with no min  
> >order.  
> >  
> > Does it make a difference if the caps are silver micas or polystyrene?  
> >  
> >72/73's,  
> >  
> >--Rick, KE4IZH  
> >  
> >Chesapeake, Va.  
> >  
> >MP2.1K  
> >

-----  
Date: Wed, 18 Mar 1998 17:08:46 -0800  
From: Chuck and Michele Snyder <csnyder@nextdim.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6331] Re: Audio thru PC speaker  
Message-ID: <3510701E.A6FAB281@nextdim.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the comments, but I will try the DB-25 PIN/Oscillator circuit this weekend and see how it goes. Hopefully it will work. Leaving on that note, does anyone know where I can get either a catalog or URL on straight keys? I really don't know much about this CW thing and I need to educate myself

on keyers. I would rather start with straight key rather than the other types. I have seen alot of programs out there that are really great programs to learn the code, but hitting keys on a keyboard really doesn't help your ability to send good and consistant code. I need to get my hands on something that will provide some practice using a key. I know what you're thinking..."Get connected to a CW net, right?"

--

Chuck Snyder (No\_Call\_Sign\_Yet)  
<http://www.nextdim.com/users/csnyder/index.htm>  
QRP-L #1462  
Spokane, WA

Chuck and Michele Snyder wrote:

```
> Thanks Bill, but I don't have Windows on my 386. Speak.exe is a Windows
> driver isn't it?
> --
> Chuck Snyder (No_Call_Sign_Yet)
> http://www.nextdim.com/users/csnyder/index.htm
> QRP-L #1462
> Spokane, WA
>
> Bill Howell wrote:
>
> > Chuck Snyder (No_Call_Sign_Yet) Wrote:
> >
> > " You recall I don't have a sound card in my 386SX. For some strange
> > reason, my PC speaker doesn't work either. I checked for continuity and
> > it checks out as okay".
> > *****
> >
> > Chuck... you may need speak.exe... it allows audio to play
> > through the PC speaker.
> > As I recall, it was easy to install.
> >
> > If you need more info, email me.... the speak.txt file
> > which explains it, is a bit large to post here.
> >
> > You can find a download location by going to:
> > http://ftpsearch.ntnu.no/ and searching for speak.exe.
> >
> > 72,
> >
> > Bill Howell
> > University of Texas at Austin
> > Performing Arts Center
> > Electronic Maintenance
> > N5ALO QRP-L #415
```

> >

-----  
Date: Wed, 18 Mar 1998 20:11:06 -0500  
From: "Dan Wolfe" <n4roa@mounet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [6332] Sale of Trade  
Message-ID: <9803190110.AA29607@ns.mounet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Howdy-do All,

I have an Autek QF-1A SSB/CW/AM Filter that I never use and thought that maybe someone on the list would be interested in it. Looks like new, no scratches, and works well. I have only tried it a couple times.

I will take \$40 or trade for some treasure of equal value. I will pay for shipping the QF-1A.

73/72 de Dan, N4ROA

-----  
Date: Wed, 18 Mar 1998 17:27:05 -0800  
From: dave\_epps@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [6333] tuna/heering  
Message-ID: <19980318.172705.8910.3.dave\_epps@juno.com>

I rcvd the tuna-tin-2 and herring aid rcvr boards from Far.  
Has anyone kitted the parts for these units? I was away for 2 weeks and my mailbox overflowed so I missed a lot on here.

dave ab5pc fresno, ca cu at dayton

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 18 Mar 1998 17:24:14 -0800  
From: dave\_epps@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [6334] SLR rcvr  
Message-ID: <19980318.172705.8910.2.dave\_epps@juno.com>

Has anyone built the shielded loop receiver shown in the Apr. issue of  
worldradio mag page 47? I sent for the kit .  
The article mentions a contact with Ed Loranger WE6W while Richard Fisher  
NU6N was evaluating this little rcvr. A QRP to QRP contact at that.  
Thanks to Ed for being there and some giving some publicity to QRP.  
dave ab5pc fresno, ca. cu at dayton

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 18 Mar 1998 18:44:22 -0700  
From: "Michael Connor" <mikec@primenet.com>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [6335] FOX: Tomorrow night!  
Message-ID: <01bd52d8\$8a6350a0\$202144c6@mike.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Friends,

Gee, where has this FOX season gone to?

I'll be your FOX tomorrow -  
March 20, 0200 - 0400 UTC

7.038 +/-

QTH - Phoenix, AZ.

Last chance to bag a FOX till next fall; hope to  
work you all...:-)

Mike  
N07K  
AZ ScQRPions

-----  
Date: Wed, 18 Mar 1998 19:59:30 -0600  
From: Tim Ahrens <tahrens@inetport.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6336] ICOM Reflector?  
Message-ID: <35107C02.95D4A0ED@inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Is there an ICOM reflector?

Thanks,

Tim W5FN

-----  
Date: Wed, 18 Mar 1998 18:33:50 -0800 (PST)  
From: "David D. Meacham" <ddm@datatamers.com>  
To: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6337] Re: Copperweld wire  
Message-ID: <Pine.LNX.3.91.980318182912.11927B-100000@dt1.datatamers.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob,  
That's odd, I've used copperweld since 1949 and never had any trouble!  
I've used #14 solid (or maybe it's #12 on my delta loop) and the stranded  
variety...I live about 2 miles from the bay at 120 feet elevaton, so I  
get the salt air, too. Copperweld...I swear by the stuff!



72, Dave, W6EMD

-----  
Date: Wed, 18 Mar 1998 19:45:05 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: dave\_epps@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6338] Re: tuna/heering  
Message-ID: <35102441.5684C50E@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yup...kitted and built two tuna-tin-2's, and now have the boards/parts for the Herring Aid 5...just haven't started yet.

The TT2 is fun...works FB, abt 300 mW out. Haven't done a QSO yet, due to lack of time, but hope to soon.

--

72/73, de Roger, N7KT

-----  
Date: Wed, 18 Mar 1998 22:04:01 -0500  
From: Bob <hb\_elec@ids.net>  
To: qrp-l@Lehigh.EDU  
Subject: [6339] RE: New 38-S: the 44-MAGNUM  
Message-ID: <3.0.1.32.19980318220401.006f4954@mail.ids.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:15 AM 3/18/98 -0800, you wrote:

>

>On Tuesday, March 17, 1998 10:45 PM, Paul Harden [SMTP:na5n@rt66.com] wrote:

>>

>> The 44-MAGNUM 30M QRP kit -- the upgraded 38-Special

>> (To be available summertime, 1998 - see below)

>> -----

>

>Will there be a custom enclosure like the one for the original 38-Special ?

>

>72, Andreas, KF6NEB

Andreas and gang,

As of now we have not had the time to think about custom enclosures. But, with that being said I would think that a enclosure like the one made for the 38-S would be a possibility.

Paul, Ori and I have been busy making sure that the 44 Magnum will be a great kit. One that will be around for many years, a staple if you will. We have been dedicating all of our resources to assuring that the 44 Magnum will be a well designed kit. As a matter of fact it has been under development for some time now. Paul, Ori and I decided up front that the design should take precedence over a time frame to have it available. Thats why we didn't announce it sooner.

In a short time we will be looking for some beta testers. Any takers ?

Bob - N1PWU

-----  
Bob N1PWU - HB Electronics  
<[http://users.ids.net/~hb\\_elec](http://users.ids.net/~hb_elec)>

-----  
Date: Wed, 18 Mar 1998 22:14:07 -0500  
From: "duane" <[duane@flinet.com](mailto:duane@flinet.com)>  
To: "qrp-l group" <[QRP-L@Lehigh.EDU](mailto:QRP-L@Lehigh.EDU)>  
Subject: [6340] site update  
Message-ID: <01bd52e5\$13f42e00\$dd1a0ed0@ab4be.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was informed that the previous post regarding my web site was in error I made a mistake in the address it should be  
<http://www.flinet.com/~duane/ham/ham.html>  
sorry folks but please check it out.

duane AB4BE

-----  
Date: Wed, 18 Mar 1998 20:37:44 -0700  
From: "John A. Evans - N0HJ" <[jaevans@codenet.net](mailto:jaevans@codenet.net)>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)



7. QRP Notebook by Doug DeMaw W1FB 1986  
8. ARRL electronics data book by Doug DeMaw 1976  
9. Solid State Basics for the Radio Amateur by Doug DeMaw and Jay Rusgrove 1978  
10. QRP Classics by Bob Schetgen KU7G 1990  
11. QRP Power by Zack Lau and Joel Kleinman 1996  
All books are in exc to new condition. Will sell as a set only for \$90 + shipping

Also for sale a collectors key made by J.A. Hills of Dayton Ohio called the " FYO KEY" made in the 60's, very high quality and in exc condition. It is a single paddle key for electronic keyers, looks alot like a benchner. Will sell for \$ 75 plus shipping

Please email direct for more info, will consider a 40M QRP rig on trade on either item.

thanks

Tim

NZ8J

-----  
Date: Wed, 18 Mar 1998 20:10:58 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Michael Connor <mikec@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6343] Re: FOX: Tomorrow night!  
Message-ID: <Pine.SOL.3.96.980318200948.23300A-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike,

I'm up on the tower now, in the dark cleaning the dust and dirt off the elements getting ready to snatch the pelt right off your back tomorrow! :-)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Wed, 18 Mar 1998 21:24:22 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6344] Congrats to AA1MY and the rest of the CT Hams  
Message-ID: <199803190424.VAA23903@usr08.primenet.com>

Howdy Folks,

Congrats to our own Fox Seab (AA1MY) and the rest of the Bethel, CT hams who got a full exclusion for ham tower installations when an ordinance governing tower installations was passed.

All that and being chased by all us Hounds... Someone had a busy season. Sounds like someone's planning on getting a tower up for next year. ;-)

(April '98 QST, p.16)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Every man dies. Not every man really lives." -- Braveheart

-----  
Date: Thu, 19 Mar 1998 04:32:41 +0000  
From: "Brian K. Short" <shortckt@primenet.com>  
To: tahrens@inetport.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [6345] Re: ICOM Reflector?  
Message-ID: <199803190428.VAA24920@smtp03.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

There is an Icom Reflector (and over 250 others) at:  
<http://www.qth.net>

73, Brian

>Is there an ICOM reflector?

>

>Thanks,

>  
>Tim W5FN

--  
Its hard to know when you're done  
if you dont know what you're doing...

--  
Brian (K7ON) Short shortckt@primenet.com  
http://www.primenet.com/~shortckt  
1994 E Laguna Dr Tempe, Az 85282  
Vox:(602)839-3484 Fax:(602)839-4829

--  
-----  
Date: Wed, 18 Mar 1998 22:45:45 -0600  
From: "George T. Baker" <w5yr@swbell.net>  
To: DENNIS MO <DENNISMO@aol.com>  
Cc: qrp-l@Lehigh.EDU  
Subject: [6346] Re: Milestone now has Nye keys & Spelling..  
Message-ID: <3510A2F9.71D2AD2D@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Actually, Dennis, I believe that you hit upon the largest stumbling block to CW operation, especially for the newer operator: learning to spell in your head as you are sending, in addition to trying to think about what you want to say. When I was just starting back in the 40's I actually wrote out QSO "scripts" for transmitting and wrote down every received character and then read it. Fortunately, it took only a few hours of operating (the low end of 20 CW was rough in those days!) to get my act together and become fairly fluent in cw.

All I can suggest is the usual: practice, practice, practice, but make it real live practice on the air.

--  
72/73, George  
Amateur Radio W5YR  
QRP-L #1373  
QRP ARCI #9583  
AutoPOWER Systems  
Fairview, TX

DENNIS MO wrote:

>  
> Hi George...  
>  
> I work with PC's all day long - I'm a PC support type person.. you have a  
> problem ..I fix it! About the only time I write anything without a PC is when  
> I use a post-a-note. And If I could get those darn little things in my PC  
> printer I'd do it!  
>  
> I'm relatively new to Amateur radio and when I bought my MFJ keyer and paddles  
> a few months ago I look all over and thru every catalog that I could get my  
> hands on for a spell checker.. Hey, we are nearing the 21th century aren't  
> we? CW is really fun but "IT" assumes that the operator can spell! Bad  
> assumption - in my case - hi hi.  
> My saving grace is that hams abbreviate in very strange ways...ie. gud for  
> good. I can live with that.....  
>  
> Hey - maybe there is a market out there for a new gizmo - we hams certainly  
> are not shy about buying "new" gizmos.....!  
>  
> nuf is 'nuf -  
>  
> 73's de Denny / KF6NJQ  
>  
> \*\*\*\*\*  
> Denny / KF6NJQ  
> FISTS # 4570 / QRP-L # 1359  
> 10-X # 69158  
> Promise Keeper  
>  
> HAMing It Up Everyday In Goleta, CA  
>  
> Section: Santa Barbara  
> Long: 34.437 N Lat: 119.868 W  
> Grid: DM04BK  
>  
> \*\*\*\*\*

-----  
  
Date: Wed, 18 Mar 1998 21:20:18 -0800 (PST)  
From: herr@ridgecrest.ca.us (Michael Herr)  
To: qrp-l@Lehigh.EDU  
Subject: [6347] Backpacking QRP this weekend  
Message-ID: <v01530500b13692ec1b10@[199.120.150.128]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Howdy Gang,

I'm heading out with the scouts backpacking this weekend. We're driving to the start of Cottonwood Canyon, near Stove Pipe Wells, Death Valley CA, and from there backpacking in the canyon to the springs.(hopefully they will be there this year). I'm planning to take along the trusty NorCal 40A and portable antenna (hopefully will be able to find supports for it). Should be there from Saturday afternoon thru Sunday morning. You'll find me hanging around 7038 or so. The antenna is probably going to be low and the canyon is steep so not much in the way of DX expected. Anyway, look for me and give me a shout.

72

Mike WA6ARA

-----  
Date: Wed, 18 Mar 1998 23:19:32 -0600  
From: Tim Ahrens <tahrens@inetport.com>  
To: shortckt@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6348] Re: ICOM Reflector?  
Message-ID: <3510AAE4.8EF2630A@inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for the info Brian! (and others)

cu

Tim W5FN

-----  
Date: Wed, 18 Mar 1998 23:22:22 -0600  
From: Tim Ahrens <tahrens@inetport.com>  
To: ku7y@dri.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6349] Re: FOX: Tomorrow night!  
Message-ID: <3510AB8E.6640042E@inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Monte Stark wrote:



> I'm up on the tower now, in the dark cleaning the dust  
> and dirt off the elements getting ready to snatch the  
> pelt right off your back tomorrow! :-)  
>  
> cul,  
>  
> Hi Mike,  
>

This I gotta see!! Typing & cleaning.. in the dark! .. How many arms  
do you have?.. hey, MIB.....

!!  
cu

Tim W5FN

-----  
Date: Wed, 18 Mar 1998 21:56:59 -0800  
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>  
To: <hb\_elec@ids.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [6350] Re: New 38-S: the 44-MAGNUM  
Message-ID: <19980319055716.AAA23349@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Congratulations to ORI, BOB and PAUL.... making a wonderful rig even  
better! I can hardly wait til I see the circuit changes you guys have come  
up with. Save one for me!!!!

73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA  
<http://home.att.net/~alan.kaul/qrp.html>  
alan.kaul@worldnet.att.net  
w6rcl@amsat.org

-----  
-----  
Date: Thu, 19 Mar 1998 01:48:35 -0500 (EST)  
From: kd4zkw <kd4zkw@amsat.org>  
To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [6351] update - opinions on kits  
Message-ID: <Pine.LNX.3.95.980319013539.2996H-100000@danial.dialisdn.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the replies. I checked out the emtech kit, and it looks OK. I know I'll probably end up with at least a zm-2. Still undecided on which radio I want. The receiver specs will have to be compared more thoroughly, but I got a very good idea.

Looks like the OHR is out for now. I'd like to build and forget it, and 200khz over 70khz wins out there. The tac-1 is a nice radio, and I like it alot. So is the emtech, and for the price of one ARK, I could have two monoband rigs. But that digital vfo looks nice. So does the speaker inside the ark. A self contained unit is a plus. I'm guessing the ARK-40 has an analog digital dial, but I might be wrong. Alot of people have said that the ARK definitely has a good receiver.

None of the rigs has an S-meter/pwr meter. That would be a nice touch. I think it's an option you can install on the board for the emtech, but getting the meter is something else again. Still haven't checked out Kanga, but alot of the kits they sell require me to track down parts. I really haven't got the time for that. OK, I'll keep you posted. Heh, like you care, til you hear me. 72/73.

PS- where are all the 7.110 novice rock bound ops ???

```
-----  
| Curtis D. Levin kd4zkw    | kd4zkw@amsat.org | QRP-L #1488 |  
| cdlevin@dialisdn.com | http://www.diaisdn.net/user/cdlevin |  
| kd4zkw.ampr.org [44.98.2.22] Exp Ax25/Linux DPTNTv1.1a3 |  
|          amprnet e-mail : kd4zkw@w4bkx.ampr.org          |  
-----
```

-----  
Date: Wed, 18 Mar 1998 23:51:12 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU

Subject: [6352] Re: update - opinions on kits  
Message-ID: <199803190651.XAA24948@usr07.primenet.com>

Howdy,

Curtis (KD4ZKW) wrote:

>

> None of the rigs has an S-meter/pwr meter.

Their actual name is a "Guess Meter". :-) Don't sweat it. If you look at what the different R/S/T numbers actually mean (in your Handbook, for example) it's quite easy and accurate to do it by ear after awhile.

> PS- where are all the 7.110 novice rock bound ops ???

Give us a time when you'll be there and some of us non-novice critters will be there to swap RF with ya if you're not getting any takers. ;-) When I was trapped in the "BC Kill Zone" they call the N/T+ segment of 40m ;-) I found the best spot was between 7.140-7.150. No BC interference and usually a sig or two on the air.

Good luck and happy hamming!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Every man dies. Not every man really lives." -- Braveheart

-----

Date: Wed, 18 Mar 1998 23:08:09 -0800  
From: "Paul Carreiro, N6EV" <n6ev@badger1.net>  
To: qrp-1@Lehigh.EDU  
Cc: n6ev@badger1.net, camqrp@cyberg8t.com, jadlaw@soca.com, nu6sn@aol.com, turner@safety.ics.uci.edu, tgas@ricochet.net, kf6ml@juno.com, gody1997@aol.com, w6zh@ix.netcom.com, clofgren@benson.mckenna.edu, k6qq@socal.wanet.com, alan.kaul@worldnet.att.net, rmccarty@earthlink.net, herr@ridgecrest.ca.us,  
Subject: [6353] Attention Southern California QRPers  
Message-ID: <199803190708.XAA06738@mail.badger1.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Attention Southern California QRPers,

A number of members from the Southern California QRP Society will be holding a mini-field day / get together / outing the last weekend of March (3-27, 28 and 29) at Lake Perris primitive campgrounds in Riverside County. Come for fun, good food and great in-the-field QRP operation. Stop by for a quick chat or stay the whole weekend if you can. Bring the family and your QRP dog!

If you're interested, check out the associated web link from the sCQs homepage: <http://www.qsl.net/wq6rp>

Look for WQ6RP/P on the air from Lake Perris.

If you're interested in joining the Southern California QRP Society, club membership information is located at the homepage stated above.

Hope to see you there!

72 Paul N6EV sCQs #1

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA  
mailto:n6ev@badger1.net - <http://www.qsl.net/n6ev/> - ICQ# 7928709  
QRP - Boatanchors - Glowbugs - Mobile CW - QRQ +45WPM - ZUT!  
NorCal #367 - QRP-L #236 - QRP ARCI #8885 - FISTS #1407  
SCQS #1 - Southern California QRP Society - WQ6RP  
Zuni Loop Mountain Expeditionary Force (QRP Field Day) - K6ZNI

-----  
Date: Thu, 19 Mar 1998 00:17:28 -0700  
From: gsurrency@juno.com (Gary L Surrency)  
To: qrp-l@Lehigh.EDU  
Subject: [6354] 80m TAC-1 mods  
Message-ID: <19980319.001729.8494.1.gsurrency@juno.com>

ATTENTION TAC-1 80m OWNERS (others may hit delete unless interested)

After I posted some info on the TAC-1s I own, I remembered something else I did to my 80m TAC-1. The following mods were useful and easy to perform.

I was not satisfied with the rig's output on 80m, as it was a little lower than the 40m unit I have and it seemed a little bit sensitive to mis-matched antenna loads and reactive antenna loads. On an oscilloscope,

the output waveform would get some nasty stuff on it if the antenna was not close to a pure 50 ohm resistive load. So I investigated and came up with the following mods.

I changed capacitor C38 from a .001uf (1000pf) ceramic disc to a 1000 pf silver mica. I also changed capacitor C39 from a 100 pf ceramic disc to a 300 pf silver mica. A 270 pf s/m cap would probably do just as well as the 300 pf cap. I also changed cap C42 from 300 pf to 470 pf, thus matching the 470 pf cap C36 on the input side of the PA output filter network.

I had noticed the ceramic disc cap for C39 got slightly warm during transmit - even into a 50 ohm dummy load. This was one reason I tried some different caps in the beginning. The s/m caps I used for C39 / C38 were 500 volt units - yet they still fit OK in the given PCB space. There is no reason why you couldn't use a different combination of caps to achieve the approx 1300 pf required capacitance.

Apparently there is enough RF voltage at C39 & C38 to stress the dielectric of the original 100 volt ceramic caps, thus causing them to heat slightly. This represents a loss of output power, and possible failure with time. Caps C36 and C42 are both ceramic units, since they do not seem to be getting warm, and there is little PCB real estate to fit silver mica caps in their place. Evidently, the RF voltages across them are low and the 100 volt rated ceramics are just fine. Some calculations would confirm this, but I haven't done them yet.

This just goes to confirm what we all know about the real necessity of using silver mica or polystyrene capacitors in a PA RF circuit. Right guys? :-) Yep.

The result was greater desired output and less tendency to "take off" while adjusting the antenna tuner. Previously when using my LDG QRP auto tuner, the transmitted envelope would do strange and ugly things on my monitor scope while the auto tuner was tuning. Not so with the capacitor changes. These were obviously welcome "Band-aids" (reg. TM), no doubt due to the high frequency gain of the MRF476 at 3.5 Mhz!

I had tried to reduce the spurious tendencies by changing transistors in the driver and keying circuits, but this had little effect - except to increase output power and thus aggravate the condition further. I did end up with a MPS2222a for Q6, the driver to the PA, because it seemed to produce a nicer RF envelope especially on the trailing edge of the CW waveform. I used a 2N4403 for Q3, since it has cleaner turn-on / turn-off characteristics than the original 2N3906 did. It also has much less voltage drop from collector-to-emitter when transmitting.

After the capacitor changes and the transistor changes, I actually had to

reduce the power output by changing resistor R29 from 100 ohms to 22 ohms. This brought down the power output level from nearly 10 watts (at 13.8v) to a much safer 5 watts. I must have a particularly "hot" MRF476 in my rig. In fact, it *\*was\** getting pretty hot before I reduced the power output given the relatively small heat sink on the PA transistor. ;-)

One other thing I had previously done to the rig that may not be necessary with the changes to the output filter network, is that I had placed a small ferrite bead on the base lead of the PA transistor - Q7. At the time I tried it, it actually increased the output slightly and seemed to clean up the signal as well. It may not be needed now, but I left it in place. The 22 ohm resistor (R29) on the base of Q7 should also help protect the PA transistor from base-to-emitter breakdown under open or extreme antenna loads, by lowering the input impedance to the PA stage.

These changes result in an increase from 1100 pf to 1300 pf for C38/C39. Also, the input and output caps of the filter network are now equal at 470pf. These small changes in filter values made a big difference in the rig's RF output, and actually seem to improve the spurious response - though a spectrum analyzer would be necessary to confirm that. No increase in SWR occurred when driving a resonant 80m, so it is reasonably safe to assume the output spectrum is "clean", and the monitor scope waveform is very pure.

I *\*do\** have the S&S recommended X01 mod in my rig that is intended to reduce spurious output originating from Q18. This mod should be done if you do not have it already. Contact S&S for details and the required parts.

These mods worked well for me, and allowed for clean, stable output with almost any load. Even with an open antenna (horrors!), the transmitted waveform remains clean. (Kids, please don't try that with your 38 Special and 5 w mod!! ;-)

Let me know how this works for you if your rig needs help with output level and/or antenna load problems. Thanks for reading.

72,

Gary Surrency AB7MY  
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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-----  
Date: Wed, 18 Mar 1998 23:06:20 -0700  
From: gsurrency@juno.com (Gary L Surrency)  
To: qrp-1@Lehigh.EDU  
Subject: [6355] RE: Which kit to build?  
Message-ID: <19980319.001729.8494.0.gsurrency@juno.com>

Someone asked as to a TAC-1 vs ARK30 vs OHR100?

Uh-oh. :-)

Here are my opinions. Hope this isn't too boring to some of you. If so, heck - just hit delete now. ;-)

(at least there's no html or mime-encoding, right Paul? ;- )

TAC-1 :

This is my favorite rig, and is also the prettiest. It is rather involved to build, and the alignment is somewhat difficult to get it "right", but the performance is the best of the lot. Superb IF crystal filtering and excellent AF filtering. The quality is better than anything I have ever built, and the manual is excellent. Well, the Wilderness Sierra is beautiful too, but I don't want to wind all those toroids! The toroids are pre-wound in the S&S kits. I have done a few easy mods to mine to further improve the excellent QSK and S/N ratio. The RIT could stand more range, tho'.

You should request the keyer option with the kit, as it is excellent and replaces the standard uP controller. The start-up keyer speed can also be custom programmed by S&S when you order - the default is 13 wpm. I got a 20 wpm start-up PIC uP controller when I bought mine. Draws considerable receive current - about 225 ma, so it is not good on portable batteries unless they are larger ones. I get by OK for several days with two 12v 7 A/H gell cells tho'. ;-)

There is a single, beautiful silk-screened and solder-masked PCB. All controls and connectors mount to the PCB. No wiring, except for one pre-made ribbon cable with connectors already attached. Nice digital LCD that displays 1 khz, 100 hz, and keyer speed / weight. BNC antenna jack, front-mounted 3.5mm stereo headphone jack, vinyl covered cabinet and extruded aluminum bottom plate / chassis. First class components are used

throughout. I liked the 40m one I have so well, I also built the 80m version. ;-) These are killer Fox-hunt radios!

ARK-30 :

Built like a battleship, and beautiful to see, too. There is some chassis wiring to the controls and connectors, using cable lacing. Two PCB's. The digital thumbwheel tuning is unusual to get used to, but it is kinda nice to be able to dial up the exact frequency even when the rig is "off". Has DIP relay QSK that is a little "clicky", whereas the TAC-1 is all solid-state QSK. The QSK on the ARK rig is even faster and cleaner, though my TAC-1's can hear between continuous dots up to about 13 wpm. Nice front mounted speaker, excellent audio filter (standard as on the TAC-1), wider RIT range than the TAC-1's. Draws a lot of power on receive, about 200 ma from all the digital synthesis and high current demand diode mixer. Excellent quality like the TAC-1, but PCB is only silk-screened and not solder-masked as the TAC-1 PCBs are. Good AGC, as in the TAC-1.

Skip the Curtis keyer option, and use a TiCK or something else. The Curtis keyer option is not my favorite, as the speed range is not linear since it uses a pot for adjustment. There is a bread-board area on one PCB that is ideal to build your own keyer on. The SO-239 antenna jack, and 1/4" jacks for key / external speaker may be a problem for some that are used to BNC's and 3.5 mm phone jacks for key / headphones. Still a beautiful radio, but you should have burned some solder on other kits before you tackle this one or the TAC-1's since they are not beginners kits. Good support from S&S on either of these radios. The S&S kits do require more time to build and enjoy, but the rewards are worth it. You should take your time with these more complex kits.

OHR100 :

I have the older version, not the newer OHR100A that is shipping now. Nice kit to build; easier than the S&S rigs but just as nice of quality in the components and finished rig. Lower power consumption than the S&S rigs, since there is no digital synthesizer and high current demand ring-diode mixer as in the S&S rigs. The NE602 mixer is more susceptible to strong-signal overload but has good sensitivity and low noise. I haven't had much problem with strong signals on my 20m rig. Capable of up to almost 10 watts with 13.8 v supply. The external RF power level adjustment allows you to back it off to 5w or less for QRPp, or if using 12v battery power - you can still get it to produce 5w with the drive level control.

It is easier to align than the S&S, and the PCB is lovely and first-class to solder. The crystal IF filter is not as good as the ones in the S&S rigs, but the variable IF bandwidth is kinda neat to use. The bandwidth



and opposite sideband rejection isn't as good as the S&S rigs. The QSK is very good, and the sidetone is a pure sine wave and adjustable for both volume and frequency separately from the AF gain. Mine drifts a bit when cold, but I understand the '100A models are a little better with stability. The AGC pops a bit on strong signals, but hey - that is true of most audio-derived AGC circuits. The nice open chassis and PCB layout is pretty, well thought out, and professionally designed. It needs a 10-turn pot for slower tuning, but then that necessitates a digital display such as the DD-1.

I built a Norcal KC-2 into mine when I opted for a 10-turn tuning pot, thereby solving several needs for freq. display, keyer, S-meter, etc. all at once. I now have almost as much invested in it as the TAC-1 cost, and the freq. stability still isn't as good as the synthesized S&S rig. But is still a favorite rig of mine, and I would buy or build another one. It was very easy to build and the manuals are very Heathkit-like. It's a nice rig to use portable, as it is pretty small and fairly low current demand.

So I would recommend the OHR100A for the less-experienced kit builder, or for the smaller budget. If price and skill is no concern - get the TAC-1. If you really want a challenge, get the ARKxx. These are all stellar performing radios, and you won't be unhappy with any of them. Some people detest the ARKxx digital thumbwheel tuning, so that may be a factor in your decision too. Hope these comments are useful, but don't hesitate to call the manufacturers for more info - or ask me. I have done a few mods to all of these radios and have written several articles and postings on them as well. They are all great performers and are very enjoyable to build and operate.

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Date: Thu, 19 Mar 1998 02:39:53 -0500  
From: Fred Lesnick <[flesnick@Quetico.tbaytel.net](mailto:flesnick@Quetico.tbaytel.net)>

To: qrp-1@Lehigh.EDU  
Subject: [6356] RUFZ cw  
Message-ID: <3510CBC9.3205@tbaytel.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I to am enjoying this little game,it is a great tool to help brush up  
that short term memory as well as those cw skills.  
Fred VE3FAL

-----  
Date: Thu, 19 Mar 1998 03:48:55 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: mobile-portable@qth.net, qrp-1@Lehigh.EDU  
Subject: [6357] mobile mount for ft 747//////////lost address  
Message-ID: <f43868e.3510dbf9@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Someone sent me info and told me they had a new in the box mobile mount for  
the FT747 GX  
I lost your address  
Please resend to RangerSF5@aol.com  
Thank you  
Bob  
WA2HQQ

-----  
Date: Thu, 19 Mar 1998 04:40:15 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: QRP-L@Lehigh.EDU  
Subject: [6358] //////////FT 747 GX MOBILE MOUNT LOST ADDRESS  
Message-ID: <7597ad12.3510e801@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

THE PERSON THAT HAS THE NEW IN THE BOX MOBILE MOUNT FOR THE 747 GX,I LOST THE  
ADDRESS.  
PLEASE RESEND TO RANGERSF5@AOL.COM  
THANK YOU  
BOB

WA2HOQ

-----  
Date: Wed, 18 Mar 1998 23:52:58 -0500  
From: kb3bxv@juno.com (Skip Hamilton)  
To: kd4zkw@amsat.org  
Cc: qrp-1@Lehigh.EDU  
Subject: [6359] Re: opinions on kits  
Message-ID: <19980318.235601.13070.2.kb3bxv@juno.com>

Curtis ,  
I never built any electronic or have i built anything that worked ( ie.  
kits, without having to do a lot of modification after it was built --  
like my pt40 trainer radio control kit where i had to add a lot of weight  
to the noise to keep it stable) well i built the OHR 100A it was good  
fun building and guess what it works fine. just remember that when you  
wrap your coils that every time you pass the wire through the center of  
the coil it counts as the turn (when you stick the end of the wire though  
the coil and it has not been wrapped that is one turn instance of a turn)  
once you finish the wrapping of the coil you must scrape the enamel off  
the wire befor tinning it or you will not have a solder joint big  
mistakes i made. \*\*\* do not Q-dope the coils especially L114 which is  
t44-7 white toroid wound with #26 red wire untill after you have aligned  
it .. Dont use too much incase you do want to re-align for general bands.

good luck and i choos OHR beautiful.

Other than that it is easy as pie and fun and works well.  
On Wed, 18 Mar 1998 17:33:35 -0500 (EST) kd4zkw <kd4zkw@amsat.org>  
writes:

>  
>Hey all. I have a decision to make soon. I am going to be  
>building a kit for 40 meters. I have come to a point where  
>I'm down to about 3 kits. The tac-1, the ark-40, or the  
>OHR-100A. Three things I need to know.  
>  
>How hard/easy are these kits to build in comparison with  
>each other ?  
>  
>Which is the best of the three ?  
>  
>Are thre any tunable kits for 40 meters that I've overlooked ?  
>Looking for something I hope to not have to build a case for.  
>  
>optional questions:  
>

>These come with internal keyer options. Are internal keyers better  
>than external keyers ? I have an MFJ pacesetter. Seems to work fine  
>for  
>what I need, but would just a paddle with an internal keyer work  
>better ?  
>  
>Is the OHR-100a hard to change over to general band after being built  
>for  
>novice ?  
>  
>  
>-----  
>| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |  
>| cdlevin@dialisdn.com | http://www.diaisdn.net/user/cdlevin |  
>| kd4zkw.ampr.org [44.98.2.22] Exp Ax25/Linux DPTNTv1.1a3 |  
>| amprnet e-mail : kd4zkw@w4bkx.ampr.org |  
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-----  
Date: Thu, 19 Mar 1998 06:43:56 -0500 (EST)  
From: Bruce Muscolino <w6toy@pop.erols.com>  
To: n0tu@webaccess.net  
Cc: QRP-L@Lehigh.EDU  
Subject: [6360] Re: Caps in Sierra Band Modules  
Message-ID: <2.2.16.19980319073550.2fb7664e@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>  
>Hey Rick...there's several of us in the noise level still building Sierra  
>band modules that need SM caps maybe we could do a group buy?  
>  
WHY? You can get all the Silver Micacs you want in onesies-twosies  
quantities from Mouser or Dan's Small Parts. Why wait for someone to order  
them and then reship them. Look on the last page of capacitors in the  
current (Green) Mouser catalog. Also, Mouser ships the same day, or the day  
after you place your order! No connection, but without Mouser I couldn't

make coffee!

73

-----  
Date: Thu, 19 Mar 1998 08:07:14 -0500  
From: "Dan Wolfe" <n4roa@mounet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [6361] Filter  
Message-ID: <9803191306.AA26484@ns.mounet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello All,

The filter has been sold to a sQRPion (is that the correct spelling?)  
Thanks to  
all who responded..

73/72 de Dan

-----  
Date: Thu, 19 Mar 1998 09:17:34 -0000  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: <cnse97@lmpsil02.comm.mot.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [6362] Re: Copperweld wire  
Message-ID: <199803191303.IAA19165@atl.org>

I think it's good to consider ones environment and the wire chosen. Copperweld is available with 6% to 15% of the Radius as copper. The copper stays on unless abraded or galvanized away. Have had this 80m, full wave, vertical plane, loop up for 12 years and the copperweld is in fine shape. It's supported by two trees and hasn't stretched or broken and it's only #14 (The 600lb test rope has broken twice but that's an easier fix than wire :-)

I have seen some cheap copper plated steel wire and would recommend against it. Copperweld brand wire has proven itself around here

look around the site. They have some neat '0' stuff other than copperclad wire.

<http://www.copperweld.com/>

Details on the wire are:

<http://www.cwwire.com/cladstel.html>

To any who think this is motivated by a financial interest in the company,  
Send \$ and I'll make arrangements for you to be correct :)

bob

-----  
Date: Thu, 19 Mar 1998 08:58:37 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [6363] RE: Caps in Sierra Band Modules  
Message-ID: <32320.owen@piper.eeel.nist.gov>

In message Wed, 18 Mar 1998 16:40:28 -0500,  
Rick McNelly <72507.235@compuserve.com> writes:

> Silver micas are hard to find, RF Parts and Circuit Specialists list  
> them but they have min orders. Is there another affordable source for  
> these things? Mouser lists practically any value needed in axial  
> polystyrene with no min order.

>  
Rick & others,

Silver mica's are EASY to find. Use one of my favorite dealers. Ocean State Electronics 1-800-866-6626 in Westerly, RI. They have dipped silver mica's for \$.55 each \$.50 in quantities of 10 and their minimum order is only \$10.00. They have values from 1 to 1000 pf.

72/73 Jim K4CGY qrp-1 #72

-----  
Date: Thu, 19 Mar 1998 08:55 -0700 (PDT)  
From: eakwik@mail.hac.com  
To: qrp-1@Lehigh.EDU

Subject: [6364] upgrade the Triton summery  
Message-ID: <0EQ20030AKVEBS@mail.hac.com>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1

I want to thank all that provided their comments:

K5ID  
KT4FJ  
K7GT  
N8AYY  
W6TOY  
K4CGY  
N5DUQ  
K8CU

Brien from Toronto  
and the others who did not identify themselves

Everyone is in agreement that the Triton is at least as good a performer as the Scout. Most say that, although it maybe a 20 year old design, the Triton is still a very good cw rig and I would be happier with it in the long run. Here is what I learned:

1. Newer is not necessarily better
2. High end stuff can age very gracefully
3. Kits. Why did I not think of kits to augment the Tritons bands and lack of keyer? A 30 meter kit would cure my itch to try 30. (44 magnum sounds like it and the timing is right) There are several cheap keyer kits available.
4. If I want to spend money, replace the temporary inverted vee at 20ft stuck between my house and my neighbor's house with something a lot higher and in the clear.

Thanks everyone

Ed Kwik KC8JIE Waterford, MI qrp-1 #1444

-----  
Date: Thu, 19 Mar 1998 09:31:29 -0500  
From: "David Maliniak" <dmaliniak@penton.com>  
To: qrp-1@Lehigh.EDU  
Cc: k1zz@arrl.org  
Subject: [6365] April QST  
Message-ID: <852565CC.004EED54.00@mail.penton.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Haven't seen any comment on this so I thought I'd mention it... has everyone read Dave Sumner's editorial in the April QST (arrived in NJ on Monday)? In his piece, titled "The Joy of CW," Dave, K1ZZ, delivers a more-or-less ringing endorsement of our favorite mode -- with a politically correct nod to that portion of the ARRL membership that indicated its desire to eliminate CW requirements for licensing.

Dave also included a very nice plug for QRP and homebrewing. Nice to see the recognition from the League for our corner of the hobby in such a prominent spot in QST.

Oh yeah, and the article on a DSP version of Campbell's R2 was very interesting, too.

72, David N2SMH  
Glen Rock, NJ

-----  
Date: Thu, 19 Mar 1998 10:26:47 -0500 (EST)  
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>, eax@w3eax.umd.edu  
Subject: [6366] Not gonna sell that Corsair II after all  
Message-ID: <Pine.LNX.3.95.980319102442.17112C-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was thinking about it, as I wrote, and I've decided to keep the Corsair II. If I had a dozen spares to sell, there'd be a lot of happy people out there in cyberland.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

-----  
Date: Thu, 19 Mar 1998 10:15:48 EST  
From: B1ljohn <B1ljohn@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [6367] 38 S power mod adjustments  
Message-ID: <6d8ca45a.351136a6@aol.com>



Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Has anyone built a 38s with the power mod who has changed the bias to limit output to 1-2 watts? I would like to know the resistance used and would like to assume the the power mod is direct coupled with output circuit changes made according to Paul Hardin's circuit mods. I have tried the variable out put power mod but it is too tempermental to my liking.

Bill  
K9YEQ

-----  
Date: Thu, 19 Mar 1998 10:26:21 EST  
From: B1ljohn <B1ljohn@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6368] FS: Sierra Norcal 40A with K-1  
Message-ID: <fac255df.3511391f@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I have a clean unit for sale. It has The K-1 keyer frequency counter built in and a keyboard/SKN jack plus a keyer jack added. The frequency is also selectable to three different band sections and the operator can align to preferences. If you like QRP and aren't comfortable with building at this time, this rig is a perfect choice.

I am asking \$165 plus shipping. I am selling because I am not using it. ( I have been hanging out on 30 meters, with my 38s and QRP++. ) This rig is a pleasure to operate with the K-1 keyer and the frequency readout is a real neat gizmo! A wonderful portable rig with outstanding operation.

Bill  
K9YEQ

-----  
Date: Thu, 19 Mar 1998 07:52:22 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [6369] Re: FOX: Tomorrow night!  
Message-ID: <01bd534f\$0129cb80\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>Monte Stark wrote:  
>> I'm up on the tower now, in the dark cleaning the dust  
>> and dirt off the elements getting ready to snatch the  
>> pelt right off your back tomorrow! :-)

Use it more often and the dust won't accumulate. Also, try to keep the pigeons from impaling themselves on the elements -- stays cleaner that way.

Hope you're using a safety harness on that computer.

Mike K1MG

-----  
Date: Thu, 19 Mar 1998 09:47:40 -0700 (MST)  
From: marion@montana.com  
To: qrp-1@Lehigh.EDU  
Subject: [6370] SIERRA BAND MODULE MODS  
Message-ID: <199803191647.JAA18627@paw.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Alot of postings about caps for Sierra band modules lately. If you want an easier way and use the original band modules, do the mod thats suggested by the rigs designer. Replace the rf choke feeding the collector of the final to a 4 to 1 impedance ratio transformer. Replace the final with a MRF237, or as I did with an inexpensive RCA SK9618, a 12.5 watt rf transistor which can be heat sunked to the back of the cabinet. You can key down for as long as you want and doesnt even get warm. Install the drive control to the back panel as described in the Sierra manual, so you can run at any power you want. Runs at 5 or more watts on 160,80 and 40, about 4 watts on 30 and 20, and 3watts on 15 and 10. Easily and smoothly adjustable to zero out with drive control. All band modules original. I love this little rig and use it most of the time. TS440 and TS130 havent been used in over a month! 72 Roy, AB7CE

-----  
Date: Thu, 19 Mar 1998 09:15:49 -0700  
From: "Bob Follett" <bfollett@ditell.com>  
To: "QRP-L Group" <qrp-l@Lehigh.EDU>  
Subject: [6371] Fw: Copperweld wire  
Message-ID: <01bd5352\$47a289a0\$e336b3cf@newmicronpc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys:

The difference has to be microclimate!

I used copperweld one mile from the beach, and it lasted less than one year before completely failing.

Now, living in Park City, with low humidity and no salt, I have a run of #16 solid that has been up for 5 years, and its hardly tarnished!

I recommend the stuff, as long as you stay away from the salt air.

73, Bob  
AB7ST

-----Original Message-----  
From: David D. Meacham <ddm@datatamers.com>  
snip

>Bob,  
>That's odd, I've used copperweld since 1949 and never had any trouble!  
>I've used #14 solid (or maybe it's #12 on my delta loop) and the stranded  
>variety...I live about 2 miles from the bay at 120 feet elevaton, so I  
>get the salt air, too. Copperweld...I swear by the stuff!  
>72, Dave, W6EMD

-----  
Date: Thu, 19 Mar 1998 11:26:56 -0500 (EST)

From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [6372] RE: Fw: Copperweld wire  
Message-ID: <41216.owen@piper.eeel.nist.gov>

In message Thu, 19 Mar 1998 09:15:49 -0700,  
"Bob Follett" <bfollett@ditell.com> writes:

>  
> The difference has to be microclimate!  
> I used copperweld one mile from the beach, and it lasted less than one  
> year before completely failing.  
> Now, living in Park City, with low humidity and no salt, I have a run of  
> #16 solid that has been up for 5 years, and its hardly tarnished!  
>

I have always used enamel covered #14 hard drawn copper. I have just started to have some problems with the wire. Last weekend I needed to replace a damaged end insulator. As I started to unwind the twist, pieces of the copper began to break off so it looks as if it's becoming brittle. So copper does have a limited life. Oh yes it been up only 35 years. 72/73  
Jim K4CGY qrp-1 #72

-----  
Date: Thu, 19 Mar 1998 08:28:07 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <bfollett@ditell.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [6373] Re: Copperweld wire  
Message-ID: <01bd5353\$ffc69fc0\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

One more data point.

My copperweld G5RV has to be replaced about every 4-5 years, at which point it crumbles in your hands.

The aluminum antenna has been up for nine years with no maintenance and still performs like new.

The Force 12 made it two weeks before major repairs were needed, but that's a different story.

Location is near San Jose, to the south of the other commenters.

I suspect that bimetals are more susceptible to corrosion, but the copperweld certainly holds up to the weather better than copper. It has always corroded away in place before it breaks from stress. All the antennas that I've made from plain copper have broken in the wind before they suffer significant corrosion.

Mike K1MG

-----  
Date: Thu, 19 Mar 1998 10:38:28 -0600  
From: Mike - W0TMW <crucis@sky.net>  
To: QRP-L Mail List <qrp-l@Lehigh.EDU>  
Subject: [6374] NPO caps?  
Message-ID: <35114A04.8B41F9BA@sky.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Educate me. I ahven't built much and not in a long time. What is a NPO cap and what is different about it?

Mike - W0TMW

--

=====  
Mike Watson, W0TMW                      QCWA Mbr# 28651, MidContinent Chapter #35  
Raymore, Missouri, USA                  Grid: EM28st, ARS# 352, QRP-L# 1849  
<http://www.sky.net/~crucis>      E-mail: crucis@sky.net  
=====

-----  
Date: Thu, 19 Mar 1998 16:52:50 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: kd1jv@moose.ncia.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6375] Re: Making dead lines, Dilbert in real life  
Message-ID: <35114D62.1DE3@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

WOW! That's good.

A company I used to work for, now defunct, sent me to OHIO to meet a computer/OCR hardware shipment for demo at an expo there. When it arrived the motherboard was cracked and all stand-offs sheared off. The fan which cooled special hardware OCR boards was frozen stiff from warpage.

(OCR is OPTICAL CHARACTER RECOGNITION)

It looked dead.

I wire/solder bridged open traces. Replace fan with a cabinet unit. Melted plastic nuts to hold the Motherboard Standoffs on. And got the unit running.

The software died 2 hours later and every 2 hours after that.

Calling the office I was told: We had a bug. Unit was intentionally mis-packaged to ensure Mechanical/electrical failure and was totally unexpected that I would repair the unit!

Software updates were modem'd in and I got it running flawlessly at about Midnight -- 8 hours before the show.

This miracle worker was very PO'd.  
-Ed

Steven Weber wrote:

<snip>

> Of course, we ran into problems but still had to meet a specific shipping  
> date in order to get paid. (Government work, ya know) So, we shipped an  
> empty cabinet, but which had a line cord, to the customer. They plugged it  
> in, it didn't work, so they shipped it back for "repair". We got paid,  
> finished the job and everyone was happy.....

>

> 72,

> Steve, KD1JV....In the White Mountains of New Hampshire

>

> "Melt Solder"

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----

Date: Thu, 19 Mar 1998 11:49:13 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: "qrpforum" <qrp-1@Lehigh.EDU>  
Cc: "klqrp" <klqrp@waterw.com>  
Subject: [6376] FS- EMTECH Rigs  
Message-ID: <199803191708.MAA05437@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang,

I have a friend who has an EMTECH NW30 and an EMTECH NW40 for sale. Both are the current design (not Dan's) with the variable bandwidth filter and the audio filter. Both were built by Roy Gregson himself. Both include a digital readout in a separate case. Both digital readouts can be configured for multiple rigs. Documentation is included for the Digital Dials.

He's asking \$150 each. If you are interested, let me know and I'll put you in touch with him.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. -- Benny Hill

-----  
Date: Thu, 19 Mar 1998 11:15:31 -0600  
From: "Roger Whitaker [K9LJB]" <k9lj@iname.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6377] Re: Making dead lines, Dilbert in real life  
Message-ID: <351152B3.2129540C@iname.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"We the unwilling,  
Led by the unknowing,  
Have done so much with so little for so long  
that we can do anything with nothing." -anon

I learned that when you do the impossible too often, management comes to expect it all the time. Been there and have the T-shirt.

Love the "war-stories".

Roger

-----  
Date: Thu, 19 Mar 1998 09:37:19 -0800  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: w4ed@flash.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6378] Re: Novice/Tech+ Sprint  
Message-ID: <351157CF.4196D40B@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bob Edwards, W4ED wrote:

>  
> Where'd they go ??  
>  
> It was like a regional playoff game where quarter-back  
> and full-back, on both teams, were missing at kick off.  
>  
> We really need to motivate the QRP N/T+, next time.  
> Cam & ARCI have put together an event tailored for  
> N/T+, that encourages N/T+ fun, activity, growth.

Not exactly QRP related, but along those lines...

We had a Novice station last year at our (QRO) Field Day. Since our local club of 175+ members has no Novices on the membership roll, one of our new Tech+ licensees set up the station under her callsign. Try as hard as she could to work some CW, her TWO contacts on that mode were her OM at home, once each on two bands.

Sadly, the assertion by ARRL that 3 out of 4 Novices are inactive, may be true.

ObQRP: This year at FD, I plan to take my Ten-Tec Argonaut 515, and another band captain is bringing his 509, just to have some fun. He and I usually head up 80 and 20-15-10, respectively. Unfortunately, we can't claim the 5x mult for QRP contacts, since we are a QRO operation.

72 de Jim - AD6CW  
QRP-L #248



-----  
Date: Thu, 19 Mar 1998 10:43:05 -0700 (MST)  
From: flydnq7x@primenet.com (Floyd Smithberg)  
To: qrp-1@Lehigh.EDU  
Subject: [6379] ATTN: N9UXU Dave  
Message-ID: <199803191743.KAA06403@smtp04.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I live in Sun City West and am picking up Brian W5VBO at 6PM to join the other ScQRPions for a Fox Finale near the lair of tonight's Fox NQ7K Mike. If you would like me to pick you up in Sun City give me a call at 584-6398.  
72/73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343  
ARRL AMSAT ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=124

-----  
Date: Thu, 19 Mar 1998 12:45:10 EST  
From: KB9RPD <KB9RPD@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6380] Re: April QST  
Message-ID: <1911a4e0.351159a9@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-03-19 12:23:10 EST, you write:  
> Haven't seen any comment on this so I thought I'd mention it... has  
> everyone read Dave Sumner's editorial in the April QST (arrived in NJ on  
> Monday)? In his piece, titled "The Joy of CW," Dave, K1ZZ, delivers a >>

Yes. While laying on the couch with a bum foot yesterday, I read the editorial. I thought it was very good.

I feel CW in Amateur radio is like anything else. You pass CW levels to gain privileges....just like a lot of other stuff in life. If you don't want to take CW to get your general, advanced or extra, fine -- hold a Tech license. There's nothing wrong with that.

Are there ways to tell how much licensing has changed since the No-Code tech license has been around? My guess is that it has increased.

I also read, with deep interest, the article on the restoration of the Zenith

World Band receiver. I know someone who has a beauty like that in near mint condition! I had a peak at it in 1995. He now lives in Atlanta.

I must be nostalgic. Boat anchors is a humorous tongue-in-cheek pet name...but, boy are those things great.

73, Ted - KB9RPD

By the way, someone posted a note about Midnight Science. Ever since the post about "Build This Radio", my interest in crystal receivers was sparked. As a child, I always wanted to build one. Thought they were neat...but never had time, space, or cash. I spent a little money and bought some books and a 20000hm head set...and a couple kits. I have found their service excellent so far. I placed an order yesterday and had a response today!

I build a rudimentary diode receiver and have played around with it. I have discovered that I have a Christian based station near me. Their tower has to be close. During the day, it nearly wipes out all other stations. At night, I hear others, but I need to find away to make my tuning coil MUCH bigger I think. Near the far end of the tuning coil, silence. Near the close end of the tuning coil, I get about 4 or 5 different stations on one turn. Kinda neat! I discovered that if I use a 47K Ohm capacitor in the circuit, I get the best reception. Any other value and I don't have the same luck. Been scratching my head over that one.

I've tried several circuits I've seen on the internet that DON'T have a ground. hihi BLAH! Don't work worth a hoot! If I artificially ground the circuits by sticking in a piece of wire and holding the other end in my hand, voila!

So, I'm gonna read, read, and read some more.

I'm getting close on finishing my Tuna Tin 2. I've started winding the two toroids and will complete the assembly (hopefully) this weekend. This weekend will be a full platter considering my birthday and anniversary are coming up and my father will be in town.

Ever wonder why time is always so valuable a commodity? hihi

73

-----  
Date: Thu, 19 Mar 1998 12:41:51 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: k9lj@iname.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [6381] Re: Making dead lines, Dilbert in real life  
Message-ID: <3511830F.71B363E4@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Roger Whitaker [K9LJB] wrote:

> "We the unwilling,  
  
> Have done so much with so little for so long  
> that we can do anything with nothing." -anon  
>  
> I learned that when you do the impossible too often, management comes to  
> expect it all the time. Been there and have the T-shirt.

Yep. I once worked for a radio manufacturer as supervisor of the final test dept. Our job was to align, test & ship. Along came the new product with the shipping deadline. Product didn't work. I was told ship deadline would be met by me or someone else. I told them I couldn't do it due to conscience. Deadline was met by someone else. Product still didn't work. Took me 4 weeks to find new job.

-----  
Date: Thu, 19 Mar 1998 17:53:56 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: k9ljb@iname.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6382] Re: Making dead lines, Dilbert in real life  
Message-ID: <35115BB4.1090@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks Roger. Worth repeating.

When people saw my little travel kit... you should have seen the looks.  
"Why do you need a reamer tool, file, electric screwdriver, wire, solder/iron, torx bits?" Nibbler!

RJ-45 crimp tool! Spare RS-232 wire for the UPS control they

forgot to pack!

It doesn't look good when you keep leaving the site to shop for supplies! Then get lost in a strange city.

Better stop now while some of the horrific memories are still in the subconscious!

72/Ed WE6W

Roger Whitaker [K9LJB] wrote:

```
>
> "We the unwilling,
> Led by the unknowing,
> Have done so much with so little for so long
> that we can do anything with nothing." -anon
>
> I learned that when you do the impossible too often, management comes to
> expect it all the time. Been there and have the T-shirt.
>
> Love the "war-stories".
> 72
> Roger
```

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Wed, 18 Mar 1998 23:57:49 -0600  
From: "Bruce Barley" <lbbbarley@feist.com>  
To: <wb9iog@revealed.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [6383] Re: RIGS: SIMPLE WORKS TOO!  
Message-ID: <199803191758.LAA29114@wichita.fn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I'm still using the Century/21 I bought NEW in 1978 as my main rig! Works FB for me just like it came out of the box 90% of the time. Primary operating rule here is that if I can hear 'em, they can hear me! (Some European 40m DX excepted). The other 10% of the time I use a Radio Shack DSP-40 to thin out the sigs a wee bit. With my Century/21 screwed down to 500 hz, and my Radio Shack DSP-40 screwed down to "narrow", I'm set to go 99% of the time even in the middle of the digital dweebs who can't read a

band plan and assorted AM carriers.

In 20 years, the ONLY part I've ever had to replace on the Century/21 has been the pass transistor in the power supply. FB operation from AC mains w/ drive adjustment to get down to UNDER 1w output up to about 35-40 watts full QRO when the goin' gets tuff. Really like the 12v DC capability for times when the commercial AC power is out... ice, wind, floods, landslides, earthquakes, tornados, hurricanes, etc.

Easy modular construction, common parts, lots'a room inside... could hide half an army + my sister in law inside there. Plus, for a cheapskate... there is a 12v aux connector on the rear panel which doubles great as a bench power supply for quickie projects when you also want to be monitoring the bands for good DX openings.

JUST SAY NO TO QRO

Bruce KB0PZD qrp-1 # 69  
lbbarley@feist.com

-----  
> From: Mike Souhrada <wb9iog@revealed.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Re: RIGS: SIMPLE WORKS TOO!  
> Date: Wednesday, March 18, 1998 3:06 PM  
>  
> ARDUJENSKI wrote:  
> >  
> > I was involved in searching for that perfect rig. I had recently picked up a  
> > TEN TEC CENTURY 21 and love it but found it difficult to pull out weak signals  
> > or signals out of crowded bands. A fellow QRPper sold me an AUTEK QF-1 audio  
> > filter. That filter has allowed me to not only pull signals out of a pileup  
> > but I have found I can now work stations that I could not even hear before.  
> > Phenomincal may not express my comments fully on the results. Stations that  
> > would be a 229 or less are now 559 or better. I sure wish I had this set up as  
> > a FOX.  
+++++ SNIP +++++  
> >  
> > Have a super week! Alan KB7MBI  
> Alan  
> Thanks for the testimonial now mabe someone will buy my QF-1? \$25 + shipping.  
> BTW a bit surprised the C 21 doesn't work better. Possibly it needs

> alignment? Mine works fine.  
>  
> Mike  
> Le Claire, Ia  
>

-----  
Date: Thu, 19 Mar 1998 10:11:57 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [6384] First Announcement for the APRIL SPARTAN SPRINT  
Message-ID: <199803191812.KAA17374@guppy.pond.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

The April Spartan Sprint will be held on April 6 (which is our standard date--the first monday of the month). We will be operating on two bands--40 and 20. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT. Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.
2. The frequencies will be 7040+- KHz and 14,060 KHz+- . (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.

After the contest, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

As an alternative, we encourage you to use our automated Spartan Sprint

report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: [http://www.natworld.com/ars/events/spartan/submit\\_spartan.html](http://www.natworld.com/ars/events/spartan/submit_spartan.html). Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

\*\*\*\*\*

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is [nu6SN@aol.com](mailto:nu6SN@aol.com). Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

[russ@natworld.com](mailto:russ@natworld.com)

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Date: Thu, 19 Mar 1998 12:12:33 -0600  
From: "Tim, KD5CKP" <[Prog922@worldnet.att.net](mailto:Prog922@worldnet.att.net)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>, "'homebrew'" <[homebrew@qth.net](mailto:homebrew@qth.net)>  
Subject: [6385] Crystals  
Message-ID: <35116011.41CE@worldnet.att.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I hate to show how green I am, but I am attempting to build a receiver and the parts list states  
"Crystals for 80- or 40-meter amateur bands"  
I am a Tech Plus and the common crystal I see mentioned for 80M is 3.56MHz (which is outside of my privilages) considering that this would be considered the base freq. and the tuning is controled by the other components, what crystal would I use for 40M?

73 DE KD5CKP

-----  
Date: Thu, 19 Mar 1998 00:38:34 -0600  
From: "Bruce Barley" <lbbarley@feist.com>  
To: <wb4mnf@atl.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [6386] Copperweld w/ aluminum core  
Message-ID: <199803191838.MAA17897@wichita.fn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Bob -

Browsing the copperweld site, I found some info on a copperweld wire using an aluminum core.

Might help in a corrosive environment.

Has anyone ever seen this product on the market? Has anyone ever USED any of it? Pricing?

JUST SAY NO TO QRO

Bruce KB0PZD qrp-l # 69  
lbbarley@feist.com

-----  
> From: Bob Duckworth <wb4mnf@atl.org>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Subject: Re: Copperweld wire  
> Date: Thursday, March 19, 1998 3:17 AM  
>  
> I think it's good to consider ones environment and the  
> wire chosen. Copperweld is available with 6% to 15%



> of the Radius as copper. The copper stays on unless abraded  
> or galvanized away.  
+++++ SNIP +++++  
> look around the site. They have some neat 'O' stuff other than  
> copperclad wire.  
>  
> <http://www.copperweld.com/>  
>  
> Details on the wire are:  
>  
> <http://www.cwwire.com/cladstel.html>  
>  
> To any who think this is motivated by a financial interest in  
> the company,  
> Send \$ and I'll make arrangements for you to be correct :)  
>  
> bob  
>  
>

-----  
Date: Thu, 19 Mar 1998 13:31:06 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: Prog922@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6387] Re: Crystals  
Message-ID: <35118E9A.E8298B20@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Tim, KD5CKP wrote:

> I hate to show how green I am, but I am attempting to build a receiver  
> and the parts list states  
> "Crystals for 80- or 40-meter amateur bands"  
> I am a Tech Plus and the common crystal I see mentioned for 80M is  
> 3.56MHz (which is outside of my privilages) considering that this would  
> be considered the base freq. and the tuning is controlled by the other  
> components, what crystal would I use for 40M?

Tim,

You can go ahead and forget the idea of showing how green  
you are -- we're all green in different facets of this hobby, and those

who ask the most questions usually learn more than those who don't like to ask.

Different designs of receivers may use different formulas or procedures for figuring crystal frequency for receive. The direct-conversion receiver is currently being used in a lot of simple receivers. In this type of receiver, the frequency of the crystal is essentially the frequency which you wish to receive -- usually the circuitry is arranged to let you pull the crystal a little bit either way from center frequency in order to produce a tone when the incoming signal is received. 3686.4 khz. is a popular frequency for simple rigs using direct conversion receivers on 80 meters. You should have no trouble finding some of these crystals if that is the type of rig you have.

Sometimes, the frequency of the crystal is not all that must be changed in order to hear other bands -- there may be filters or tuned amplifiers which must also be changed in order for the receiver to work on other bands.

Other receiver schemes require a crystal frequency which is offset from the desired reception frequency by an amount equal to the receiver intermediate frequency or IF.

In order to be more helpful, we need to know more about the design of your particular receiver. Hang in there! Questions are cheaper than buying parts that are wrong for the job!

73,  
Lyn, W4WDN

-----  
Date: Thu, 19 Mar 1998 10:46:48 -0800 (PST)  
From: "Robert P. Okas" <vintage@best.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6388] Re: Making dead lines, Dilbert in real life  
Message-ID: <Pine.BSF.3.96.980319101634.8855A-100000@shell14.ba.best.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well,

Since folks are sharing their war stories, I'll add an experience to the mix. The time was 1980 and I was working for a small computer & peripherals manufacturer back East. Those were the halcyon days of microcomputing before the IBM PC where an operating system known as CP/M was the defacto standard.

My task was to design a bit-mapped graphics board that fit into the desk-top computer my company was manufacturing. The schedule was absurd; a working prototype had to be ready in time for demonstration at a trade show which was about 4 weeks down the road. A first approximation on the design was roughed out and given the boys in drafting to layout a PC board. They slaved over it for a week and then it was sent out for fab, incompletely routed.

What I did over the next couple of weeks was to jumper in the missing traces and add about a dozen chips. They were glued down to the board with RTV, dead-bug style and wirewrap wire was used for the interconnects. A software type remarked about the bird-sh\*t, wire-wrap technology employed. I lost many hours of sleep bringing that board up, but the demo deadline was met. I took the next 2 months fine tuning the design and making it manufacturable.

When raise time came around, instead of receiving the compensation I felt I so richly deserved, the acting engineering manager handed me a pittance. Remember, this was during the Carter years and inflation was in the double digits. I expressed my disappointment in a less than subtle manner and starting looking for a new employer. Since it was a small company, the news filtered up to the president. He stopped by and assured me that things would be rectified. After a 2 week face-saving period for the acting manager, the same manager conveyed me a substantial increase because "my attitude and work habits improved." Yeah, right!

The sad thing all developers face is that such heroics set new standards of performance. I've been down that road too many times...

Bob - W3CD

-----  
Date: Thu, 19 Mar 1998 13:45:42  
From: Roger Braker <msebrakr@telepath.com>  
To: Prog922@worldnet.att.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [6389] Re: Crystals

Message-ID: <3.0.1.16.19980319134542.3617da82@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

You can substitute a xtal that is within your operating privileges. I think that Tech America has a xtal in the novice portion of the 80 meter band. To listen in on 40 meters you have to change the xtal to one that is about 7.1 or higher (up to 7.15). You could use a different value to listen outside your privileges. Hope that helps.

73,  
Arnold kd5ckh

At 12:12 PM 3/19/98 -0600, you wrote:

>I hate to show how green I am, but I am attempting to build a receiver  
>and the parts list states  
>"Crystals for 80- or 40-meter amateur bands"  
>I am a Tech Plus and the common crystal I see mentioned for 80M is  
>3.56MHz (which is outside of my privileges) considering that this would  
>be considered the base freq. and the tuning is controlled by the other  
>components, what crystal would I use for 40M?  
>  
>73 DE KD5CKP  
>  
>  
>

-----  
Date: Thu, 19 Mar 1998 12:50:26 -0600  
From: "Tim, KD5CKP" <Prog922@worldnet.att.net>  
To: qrp-1@Lehigh.EDU, cw@qth.net, homebrew@qth.net  
Subject: [6390] Crystals  
Message-ID: <351168F2.43DB@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The responses keep coming in, but I neglected to mention the receiver.

This is the link  
<http://www.ybi.com/brink/QRP/receiver.html>



Please reply direct (and to the reflector if you wish) as I am in digest mode!

Grant/K7GT k7gt@qsl.net

-----  
Date: Thu, 19 Mar 1998 13:22:13 +0000  
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [6393] Intenet and Ham Radio  
Message-ID: <v03007804b136c8de88b4@[144.92.104.132]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I wonder how we at qrp-1 could let the IARU know that this Internet list has greatly increased ham activity and joy in the hobby.... 72 de  
Paulette, WB9VHF

-----  
This is from NEWSLINE #1070, March 13, 1998, by Bill Pasternak, WA6ITF

#### Internet vs Ham Radio

Is the Internet hurting ham radio? Yes, according to information contained in the December 1997 issue of the IARU Region News. The publication notes that Amateur Radio growth has more or less stagnated in developed countries such as the United States, the England and Japan. It says that the only areas of explosive growth are in the less developed nations that have little or no public access to the Internet.

Recognizing this, the IARU has formed what it calls it's Amateur Radio Outlook Committee. Its purpose is to review the impact of changing technology and the Internet on Amateur Radio.

Who will serve on this committee or what it can do to stem the tide of hams away from their radios and onto the world wide web is very much an unknown.

(Via IARU)

-----  
Date: Thu, 19 Mar 1998 14:21:19 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: Prog922@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6394] Re: Crystals  
Message-ID: <35119A5F.D61B5558@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Tim, KD5CKP wrote:

> Thank you Lyn I needed that. I have been trying to find books or people  
> that could help me understand RF theory.  
> This is the receiver I have chosen  
> <http://www.ybi.com/brink/QRP/receiver.html>  
> may not be the biggest baddest or most impressive, but I got very little  
> to spend. This will help me get to 13wpm and allow me time to save a  
> little for a better maybe(probably) used rig.  
>  
> thanks again

Tim,

The circuit you referenced is one of the direct-conversion receivers I mentioned, and crystals for 80 meters and 40 meters should work. This circuit reminds me of some of the circuits I built many, many years ago and which gave me a lot of fun and excitement. Of course, back then we had to use things called vacuum tubes for the oscillator and amplifier portions of the circuit.

If you decide to build this circuit, you can probably cut your costs down to very low or nothing if you will just talk it over with other hams in your neighborhood or here on the internet. I suspect that there are a lot of people out there who have all the parts on that parts list and will be willing to help you with them. I may even have some of them myself. That little receiver looks like it can be a grand first experience with construction.

There are other alternatives, however. There are some complete transceiver kits that can be built for about the

same or less, and since you already have the tech plus license you may wish to jump right to one of them. I'm not very familiar with most of the transceiver rigs out there, so I hope someone else will pick up the thread and tell you about what is available.

There is one transceiver kit I can tell you where to find information on, the Knightlight SMITE. Some people may feel that it may be TOO QRP for someone of your few CW experiences, but it definitely has some advantages over a receiver-only unit. It will also require some very careful soldering, which may also be more challenging than would be best for you at this time. If you want to find out about this unit, visit:

<http://www.waterw.com/~knights/smitedoc.html>

Hope this helps, Tim! Bon voyage on a great adventure!

73,  
Lyn, W4WDN

-----  
Date: Thu, 19 Mar 1998 14:33:25 -0500  
From: Rick McNelly <72507.235@compuserve.com>  
To: n0tu@webaccess.net, ki7mn@dancris.com, qrp-1@Lehigh.EDU  
Subject: [6395] Re: Caps in Sierra Band Modules  
Message-ID: <199803191437\_MC2-3759-FA4D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Hi Gang,

I'm not about to take on a group buy!

I admire those who are up to this but I'm not one of 'em :-).

On the other hand, its been posted that Mouser also carries "Dipped" Mica Caps, and if these are the same as "Silver" Mica's then it looks like the way



to go.

72/73's,

--Rick, KE4IZH

Chesapeake, Va.

MP2.1K

-----  
Date: Thu, 19 Mar 1998 14:33:18 -0500  
From: Rick McNelly <72507.235@compuserve.com>  
To: chim@gwl.com, qrp-1@Lehigh.EDU  
Subject: [6396] Re: Caps in Sierra Band Modules  
Message-ID: <199803191437\_MC2-3759-FA4B@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

-----  
hello. please let me know if you hear of a group purchase for these caps. i am also looking for them for my sierra band modules. only place i have found any is on dan's parts web page and i don't know if they are the correct size or not. cheap enough, though. plus he doesn't have a minimum order. do you know where i can buy the mrf 237 final transistor? i can't find that one anywhere either.

myron

-----  
Hi Myron,

RF Parts (800-737-2787) has the MRF237 for \$8.93. Be sure to bend the single leg to the opposite side of the other two before you install it, the pin outs are different! (trust me, I forgot and smoked the first one :-). These guys have a \$25 min, I used them before but they didn't have all the sizes of the caps I

needed. DO NOT get any of the Silver Mica caps in the DM19 size, they are too big!

I used Dan's the first time and unfortunately he sent me a mixed bag, including some of the very large old square silver micas with colored dots on them for ID. He also did some parts substitution with the rest of the order with the end result of me having a whole bunch of parts I couldn't use.

This has turned me off, and made me skeptical of what he offers on his web page. The descriptions don't adequately describe the parts (large old square micas) and he made no effort to communicate with me about part substitutions.

Watch the list, lots of folks may respond to this.

72/73's,

--Rick, KE4IZH

Chesapeake, Va.

MP2.1K

-----  
Date: Thu, 19 Mar 1998 14:33:13 -0500  
From: Rick McNelly <72507.235@compuserve.com>  
To: w6toy@pop.erols.com, qrp-1@Lehigh.EDU  
Subject: [6397] Re: Caps in Sierra Band Modules  
Message-ID: <199803191437\_MC2-3759-FA4A@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

-----  
If you look at the last page of the capacitor section in your current Mouser Catalog (the green one) you'll find they also sell Silver-Mica caps at reasonable prices.

>

-----  
Hi Bruce,

the catalog calls these "Dipped" micas. Is there a difference between "Dipped" and "Silver" mica capacitors?

72/73's,

--Rick, KE4IZH

Chesapeake, Va.

MP2.1K

-----  
Date: Thu, 19 Mar 1998 11:44:12 -0800  
From: Conrad <radman@best.com>  
To: "'Prog922@worldnet.att.net'" <Prog922@worldnet.att.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6398] RE: Crystals (add the VFO !)  
Message-ID: <01BD532C.56827AA0@radman.vip.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Tim,

This list is the place to ask questions! Here's another idea. On the URL = you reference, check out the "add a VFO" schematic.  
IMHO, you can spend a lot amount of money on crystals and have little = room to roam! That VFO circuit looks simple and cheap to build... you'll = then be tuning 50khz of band (entire novice sub-bands) for the price of = a few "rocks."=20

Let us know how it goes,

72 - Conrad - nn6cw.

\*\*\*\*\*

-----Original Message-----

From: Tim, KD5CKP [SMTP:Prog922@worldnet.att.net]  
Sent: Thursday, March 19, 1998 10:13 AM  
To: Low Power Amateur Radio Discussion  
Subject: Crystals

I hate to show how green I am, but I am attempting to build a receiver and the parts list states

"Crystals for 80- or 40-meter amateur bands"

I am a Tech Plus and the common crystal I see mentioned for 80M is=20 3.56MHz (which is outside of my privilages) considering that this would be considered the base freq. and the tuning is controled by the other components, what crystal would I use for 40M?

73 DE KD5CKP

-----  
Date: Thu, 19 Mar 1998 13:49:15 -0600  
From: "Tim, KD5CKP" <Prog922@worldnet.att.net>  
To: designserv@ipass.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6399] Re: Crystals  
Message-ID: <351176BB.11C4@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

LYN WILLIAMS wrote:

> If you decide to build this circuit, you can probably cut  
> your costs down to very low or nothing if you will just talk  
> it over with other hams in your neighborhood or here on  
> the internet. I suspect that there are a lot of people out  
> there who have all the parts on that parts list and will be  
> willing to help you with them. I may even have some of  
> them myself. That little receiver looks like it can be a  
> grand first experience with construction.

>

> There are other alternatives, however. There are some  
> complete transceiver kits that can be built for about the  
> same or less, and since you already have the tech plus  
> license you may wish to jump right to one of them.  
> I'm not very familiar with most of the transceiver rigs  
> out there, so I hope someone else will pick up the  
> thread and tell you about what is available.

>  
> There is one transceiver kit I can tell you where to find  
> information on, the Knightlight SMITE. Some people  
> may feel that it may be TOO QRP for someone of  
> your few CW experiences, but it definitely has some  
> advantages over a receiver-only unit. It will also  
> require some very careful soldering, which may also  
> be more challenging than would be best for you at this  
> time. If you want to find out about this unit, visit:  
>  
> <http://www.waterw.com/~knights/smitedoc.html>  
>  
> Hope this helps, Tim! Bon voyage on a great  
> adventure!  
>  
> 73,  
> Lyn, W4WDN

Thank you for your advice and encouragement. I have search hi and lo for a xcvr kit that didn't cost right at or over \$100 and my search has been pretty much futile. I ordered the NorCal Paddle Kit today(my accountant said we could handle that), I figure whatever kind of xcvr or xmtr I end up with I will need this and my Father is very good with brass and this may give me a chance to peak his interest in Amateur Radio. He thinks radios and computers are something are things the world was better off without, but I don't think he can see the big picture.

I also considered this set

<http://www.molyvos.net/~ens/pixie2.html>

but I was told it wasn't a very good performer, but hey look what it might cost.

thanks to you Lyn and everyone for your assistance

Tim, KD5CKP

got to update this thing with some QRP stuff

<http://home.att.net/~prog922/Ham.htm>

-----  
  
Date: Thu, 19 Mar 1998 15:16:33 -0500  
From: Fred Lesnick <[flesnick@Quetico.tbaytel.net](mailto:flesnick@Quetico.tbaytel.net)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [6400] [Fwd: High speed CW again] RUFZ cw  
Message-ID: <35117D21.11B9@tbaytel.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

ea8yu Goran wrote:

>  
> The RUFZ top list shows HA30V copying callsign at 113 wpm closely followed  
> by K5F0 at 108 wpm. This is no continuous copying but shows the highest  
> speed they copied at in a series of callsign sent with rising speed, waiting  
> for them to write it down before sending the next one  
>  
> RUFZ is a program by DL4MM for training CW, specifically copying callsigns.  
> I have found this program doing wonders with my CW.  
>  
> <http://home.t-online.de/home/KOLPE@t-online/fedtrt.htm>  
>  
> Saludos  
> Goran      ea8yu  
For those of you who missed it.FRED VE3FAL

-----  
Date: Thu, 19 Mar 1998 12:25:13 -0800  
From: Steve Pitts <stv@cnw.com>  
To: qrp-l@Lehigh.EDU  
Cc: acito@asdg.ENABLE.dec.com  
Subject: [6401] Re: RUFZ location?  
Message-ID: <3.0.5.32.19980319122513.007db2e0@baker.cnw.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 02:03 PM 3/19/98 EST, you wrote:  
>  
>        RUFZ  
>        Location/site of this program?  
>

Try the following for RUFZ.

[http://www.algonet.se/~jonit/toec/rufz\\_dl.htm](http://www.algonet.se/~jonit/toec/rufz_dl.htm)

Have fun.  
73/72  
Steve, KJ7NR

-----  
Steve Pitts, KJ7NR, NNN0BSC                      stv@cnw.com  
WWW        <http://www.cnw.com/~stv/>  
FISTS 1530                      G-QRP 8963                      QRP-L 172

-----  
Date: Thu, 19 Mar 1998 15:33:29 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eee1.nist.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [6402] RE: NPO caps?  
Message-ID: <56009.owen@piper.eee1.nist.gov>

In message Thu, 19 Mar 1998 10:38:28 -0600,  
Mike - W0TMW <crucis@sky.net> writes:

> Educate me. I haven't built much and not in a long time. What is a NPO  
> cap and what is different about it?  
>  
> Mike - W0TMW

NPO refers to a Temperature Compensating Capacitor. They are disc ceramic  
and used in VFO's and other frequency setting circuits for temperature  
compensation. There are several types that are called; incorrectly, NPO's.

| Type  | specs              |
|-------|--------------------|
| NPO   | 0 ppm/degree C     |
| N330  | -330 ppm/degree C  |
| N750  | -750 ppm/degree C  |
| N1500 | -1500 ppm/degree C |

72/73 Jim K4CGY qrp-1 #72

-----  
Date: Thu, 19 Mar 1998 15:35:06 EST  
From: FrConrad <FrConrad@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6403] FOX hunt?  
Message-ID: <8a0de443.3511817c@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I've been lurking the list and I'd like to find the FOX tonight.

It sounds like you are all old hands at this, however,

could one of you "Elmer's" take the time to tell me who the Fox is and how  
this is done. I have found it much harder to make a fool of myself with only

5 watts, however, I know it can be done. Also, being somewhat computationally challenged, I dumped the posting which had the hours/frequency.

HELP!

71 1/2,

John+  
WB6MFS

-----  
Date: Thu, 19 Mar 1998 15:51:59 EST  
From: aa8yo@juno.com (Robert J Fox)  
To: qrp-1@Lehigh.EDU  
Subject: [6404] 2nd Notification of Upcoming Special Event  
Message-ID: <19980319.154958.12719.0.aa8yo@juno.com>

To commemorate the aircraft carrier-launched B-25 WWII Raid led by Jimmy Doolittle 56 years ago on April 18, 1942, the Stu Rock ARS of Plymouth, MI will be operating a Special Event Station from the Yankee Air Force Museum.

This museum, located at Willow Run Airport in Belleville, MI has 27 aircraft on display including a B-25D. B25's were arguably the most effective medium bombers of WWII and are probably best remembered for their role in the Doolittle Raid against Japan, in which they became the first medium bombers to fly off of an aircraft carrier - the USS Hornet.

Sixteen B-25's crewed by 80 men participated in the air attack. In addition to Tokyo, the planes bombed Nagoya, Osaka and Kobe. Although damage caused by the attack was relatively light, the mission avenged Pearl Harbor and was a tremendous moral booster for U.S. armed forces and civilians.

~~~~~  
I will be operating the only CW station at this Special Event. It will be on 30 meters with a target frequency of 10.116. QSL Information is in the April QST. Although I will not be operating QRP (sorry), I hope to work as many of you as possible. Hope to hear you on April 18th and thanks for the bandwidth.....  
~~~~~

73 - Bob / AA8Y0  
aa8yo@tir.com



-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Thu, 19 Mar 1998 15:55:38 -0500  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [6405] more supermorse for chuck  
Message-ID: <199803191556\_MC2-3763-13FF@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi again Chuck,

Re Supermorse, if you load it onto your hard disc and then make a working= copy onto 3.5 diskette, it will run from that also, but again the speeds may not be accurate as per their nominal speeds, you need to do a bit of guessing as to whether it is actually 8 wpm as you've set, but this does enable you to take it with you and run it in a DOS window or as a DOS program almost anywhere where you have access to a PC.

The program almost invariably runs slow if you try to use it in this way,= but then you find you're copying at much "faster" speeds, just don't get = to believing it too much!

Another prog that does well is Numorse, if you prefer a windoze prog. Thi= s also runs on the internal speaker, and has a virtual keyboard on screen, you use your mouse to move and click onto the letters/numbers as they com= e up.

72 and 73 de Mel  
GM6JAG  
Edinburgh, Scotland UK.  
Home of the last HW9

G-QRP 1283 EA-QRP 88 ARRL and the likes

Area Chairman, British Caravanner's Club, Scotland.

-----  
Date: Thu, 19 Mar 1998 15:55:41 -0500  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [6406] No sound, supermorse.  
Message-ID: <199803191556\_MC2-3763-1402@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Chuck,

If you haven't got sound at all, check that the little black socket is plugged onto the CORRECT chassis pins on your computer, it's one of the few bits on a 386 that can be plugged up wrong, usually if you've got a "speed" indicator which supposedly shows the operating speed changing when you press the turbo button, and it doesn't do this, somebody has swapped the plugs around, they tend to be taken off from the same area on the motherboard.

72 and 73 de Mel  
GM6JAG  
Edinburgh, Scotland UK.  
Home of the last HW9

G-QRP 1283 EA-QRP 88 ARRL and the likes

Area Chairman, British Caravanner's Club, Scotland.

-----  
Date: Thu, 19 Mar 1998 21:09:59 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: vintage@best.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6407] Re: Making dead lines, Dilbert in real life  
Message-ID: <351189A7.617A@qsl.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wow. I'm proud to be amidst the ranks of people like you, Bob.

One last story I must share:

Picture a BIG rack of equipment with \$20,000 dollar special board set in it and 8 modems in custom enclosure Plus UPS power. Add one server and 4 client UNIX machines and a high-speed scanner.

A real nice Fax/Scan OCR\* Hardware/Software set-up.

OK. Sell for \$250,000!

Now I package two 4-channel fax boards with shared interrupts, add properly cooled Hardware OCR boardset, and small UPS and package all in a small file-server cabinet/chassis. One box, just add scanner.

Worked great! Small footprint.

Thumbs down by marketing: "For this kind of money, the customer wants 'lots of Things' -- a big rack justifies the capital outlay." OK, I'm stupid.

No wonder the company folded. Oh, stupid me puts all these accomplishments on his resume. "Overqualified", they said. I didn't even get interviews. 8-1/2 months unemployed! (Back in 1994)

Where's the Alka-seltzer (Reg.)!

That's it, I can't talk abt it anymore.  
-Ed (Deleted)

\*OCR: Optical Character Recognition

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Thu, 19 Mar 1998 16:26:02  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-l@Lehigh.EDU

Subject: [6408] RF power transistor  
Message-ID: <3.0.1.16.19980319162602.606fb52e@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I am wanting to change the RF power transistor in the ugly weekender to an nte235. I burned up the original by leaving the ant anconnected while transmitting. 000PSSS. I gues that's what you get for ignorance. I know that the 33v zener diode is there for protection... or I found that out AFTER the incident. I left it out cuz I didn't have one and I someone told me it should work without it. The transistor in question came out of an old CB radio so I don't know what it's "normal" part number would be(2n...). I crossed the number on the case (c2092) to an nte235 at the nte web site. I can send the specs as an html file to anyone who wants them. What I want to know is: what parts valures will need to be changed.

How do I set the current pull so I can set the Power level? The article for the ugly weekender said that the lowpass output filter should be redesigned for higher powerlevels. Does it need to be redone for an output of 5 or 6 watts? If so, what has to be redesigned? Thanks in advance for any help you guys can provide. The reciever fo the y\ugly weekender is coming along just fine. You all have been a great help throught the whole building procces of this rig.

73,  
Arnold kd5ckh

-----  
Date: Thu, 19 Mar 1998 15:34:25 -0600  
From: "Tim, KD5CKP" <Prog922@worldnet.att.net>  
To: qrp-l@Lehigh.EDU, homebrew@qth.net  
Subject: [6409] Re: Crystals  
Message-ID: <35118F61.4C02@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Is anyone familiar with this article that has a scanner or copier and fax I have asked around here and no one (business) I am aware of has QST especially old copies. I really don't know that many Hams here locally I have very limited vision and I can't drive at night so I don't make the meeting adn I am not on the air yet.

any assistance you can offer will be greatly appreciated

Fishman, Clark wrote:

>  
>  
> there was a simple design in QST a while ago using an SBL-1 double  
> balanced mixer...If you find the article...

> > -----  
> > From: Tim, KD5CKP[SMTP:Prog922@worldnet.att.net]  
> > Reply To: Prog922@worldnet.att.net  
> > Sent: Thursday, March 19, 1998 1:50 PM  
> > To: qrp-1@Lehigh.EDU; cw@qth.net; homebrew@qth.net  
> > Subject: [HomeBrew] Crystals  
> >  
> > The responses keep coming in, but I neglected to mention the receiver.  
> >  
> > This is the link  
> > <http://www.ybi.com/brink/QRP/receiver.html>  
> >  
> >  
> > Sorry about that  
> >  
> > ---... --- -- ... . -.- ... .. -.-. -.-. ---.  
> >  
> > ----  
> > Submissions: homebrew@qth.net  
> >

-----  
Date: Thu, 19 Mar 1998 15:44:33 -0600  
From: "JUNIUS B FOX" <w5hir@gte.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [6410] Fw: [Fwd: Hell freezes]  
Message-ID: <01bd5380\$34407240\$496afed0@w5hir.gte.net>  
MIME-Version: 1.0  
Content-Type: multipart/mixed;  
boundary="-----=\_NextPart\_000\_0031\_01BD534D.E9A60240"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0031\_01BD534D.E9A60240  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: phil Van Winkle <pfanwink@starttext.net>

To: w5hir@gte.net <w5hir@gte.net>

Date: Thursday, March 19, 1998 3:34 PM

Subject: [Fwd: Hell freezes]

>

>

>Howard Lidholm wrote:

>

>> Phil,

>>

>> Our son e-mailed this to me. I think you'll enjoy it.

>>

>> - - - -

>>

>> How Hot Is It In Hell? - A True Story

>>

>> A thermodynamics professor had written a take home exam for his graduate  
>> students. It had one question:

>>

>> "Is Hell exothermic (gives off heat) or endothermic (absorbs heat)?

>> Support your answer with a proof."

>>

>> Most of the students wrote proofs of their beliefs using Boyle's Law  
>> (gas cools off when it expands and heats up when it is compressed) or  
>> some variant. One student, however, wrote the following:

>>

>> First, we need to know how the mass of Hell is changing in time. So, we  
>> need to know the rate that souls are moving into Hell and the rate they  
>> are leaving. I think that we can safely assume that once a soul gets to  
>> Hell, it will not leave. Therefore, no souls are leaving. As for how  
>> many souls are entering Hell, let's look at the different religions that  
>> exist in the world today. Some of these religions state that if you are  
>> not a member of their religion, you will go to Hell.

>>

>> Since there are more than one of these religions and since people do not  
>> belong to more than one religion, we can project that all people and all  
>> souls go to Hell. With birth and death rates as they are, we can expect  
>> the number of souls in Hell to increase exponentially. Now, we look at  
>> the rate of change of the volume in Hell because Boyle's Law states that  
>> in order for the temperature and pressure in Hell to stay the same, the  
>> volume of Hell has to expand as souls are added.

>>

>> This gives two possibilities:

>>

>> #1) If Hell is expanding at a slower rate than the rate at which souls  
>> enter Hell, then the temperature and pressure in Hell will increase  
>> until all Hell breaks loose.  
>>  
>> #2) Of course, if Hell is expanding at a rate faster than the increase  
>> in the # of souls in Hell, then the temperature and pressure will drop  
>> until Hell freezes over.  
>>  
>> So which is it?  
>>  
>> If we accept the postulate given to me by Ms. Therese Banyan during my  
>> Freshman year, "That it will be a cold night in Hell before I go out  
>> with you," and take into account the fact that I still have not  
>> succeeded in dating her, then #2 cannot be true, and so Hell is  
>> exothermic.  
>>  
>> The student got the only A.  
>>  
>> - - - -  
>>  
>> Cute, huh?  
>>  
>> Howard  
>>  
>> - - - - -  
>> Fortune cookie wisdom:  
>> We're only successful because we're lucky.  
>> The harder we work, the luckier we get.  
>> - - - - -  
>  
>  
>

-----=\_NextPart\_000\_0031\_01BD534D.E9A60240

Content-Type: message/rfc822

Content-Description: Hell freezes

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Received: from 207.55.220.120 (dial220-120.starttext.net [207.55.220.120])

by lepton.starttext.net (8.8.5/8.8.5) with SMTP id TAA21801

client 207.55.220.120

for <pfanwink@arlington.net>; Wed, 18 Mar 1998 19:26:27 -0600 (CST)

Message-ID: <351074D5.5EAD@arlington.net>

Date: Wed, 18 Mar 1998 19:28:53 -0600

From: Howard Lidholm <hlidholm@starttext.net>

Reply-To: hlidholm@starttext.net

X-Mailer: Mozilla 2.0 (Macintosh; I; PPC)

MIME-Version: 1.0  
To: Phil VanWinkle <pfanwink@arlington.net>  
Subject: Hell freezes  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii

Phil,

Our son e-mailed this to me. I think you'll enjoy it.

- - - -

#### How Hot Is It In Hell? - A True Story

A thermodynamics professor had written a take home exam for his graduate students. It had one question:

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Support your answer with a proof."

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Since there are more than one of these religions and since people do not belong to more than one religion, we can project that all people and all souls go to Hell. With birth and death rates as they are, we can expect the number of souls in Hell to increase exponentially. Now, we look at the rate of change of the volume in Hell because Boyle's Law states that in order for the temperature and pressure in Hell to stay the same, the volume of Hell has to expand as souls are added.

This gives two possibilities:

#1) If Hell is expanding at a slower rate than the rate at which souls enter Hell, then the temperature and pressure in Hell will increase until all Hell breaks loose.

#2) Of course, if Hell is expanding at a rate faster than the increase in the # of souls in Hell, then the temperature and pressure will drop



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So which is it?

If we accept the postulate given to me by Ms. Therese Banyan during my Freshman year, "That it will be a cold night in Hell before I go out with you," and take into account the fact that I still have not succeeded in dating her, then #2 cannot be true, and so Hell is exothermic.

The student got the only A.

- - - -

Cute, huh?

Howard

- - - - -

Fortune cookie wisdom:

We're only successful because we're lucky.

The harder we work, the luckier we get.

- - - - -

-----=\_NextPart\_000\_0031\_01BD534D.E9A60240--

-----

Date: Thu, 19 Mar 1998 14:48:50 -0700

From: "Ron Smith" <resmith@primenet.com>

To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [6411] Re: Making dead lines, Dilbert in real life

Message-ID: <00f801bd5381\$0062bf40\$2e22a5ce@primenet.com.primenet.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

>No wonder the company folded. Oh, stupid me puts all these  
>accomplishments on his resume. "Overqualified", they said.  
>I didn't even get interviews. 8-1/2 months unemployed!

I was told by a friend of mine - NEVER put all your accomplishments on your resume or you'll be out of work for a LONG time. The gentleman put down his BS

and Masters degrees but neglected to tell them he had his PhD in History. He was hired to work with the computers at the University - and after the 6 month probation period (State University) he tactfully let it be known. He is now the Web Master \*and\* Professor of History. Slick dude!

72 all...

Ron Smith  
Amateur Radio Callsign: KD7VD  
Boise, Idaho - Grid DN15VN  
E-mail: resmith@primenet.com  
Ham Home Page: <http://www.qsl.net/~kd7vd>  
ARCI #9580.....NorCal#????.....QRP-L #1291  
AK-QRP #352...AR-QRP #220...ARS #347  
HI-ARP #34

-----  
Date: Thu, 19 Mar 1998 15:53:25 +0000  
From: Jim <kj5tf@mctc.com>  
To: qrp-l@Lehigh.EDU  
Subject: [6412] FREE NICAD's - was Battery power for cool QRP'ing  
Message-ID: <35113F75.2D1F@mctc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I posted a short acrticle afew weeks ago and got this reply today. A delayed reaction, but very usefull information!! de Jim AR QRP #2  
----->

Jim,  
I whole-heartedly agree with you! One other source of cheap (spelled F-R-E-E) batteries.....your local Radio Shack store. You read right. I work for RS. We take in nicad batteries to send to recycling centers. I often go through the box prior to it being shipped. I have salvaged more usable batteries than I know what to do with! I give away more than I keep....after testing, that is.

Just ask at your local store. They'll more than likely accommodate you.

How do I go about joining the Arkansas QRP club?

Thanks and 73 de Mike T.

-----  
Date: Thu, 19 Mar 1998 17:01:59 EST  
From: PDouglas12 <PDouglas12@aol.com>  
To: ataylor@heracles.llnl.gov, qrp-1@Lehigh.EDU  
Subject: [6413] History of Rick Littlefield QRP rig  
Message-ID: <dcd95cf2.351195d9@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi Alan,

You asked about building the Littlefield QRP rig. First, the outfit that kitted these (Radiokit) is not trading, at least not selling QRP gear or kits. Reviews in back issues of QRPp and archives of this group would confirm that most builders, including me, would suggest that the old Radiokit is not for beginners or even intermediate builders. I expect that Far Circuits can still sell you the boards for these kits, but you would do well to look elsewhere for a 15 meter single bander.

Now, having said that a little history is in order. Rick Littlefield designed and first published a 20 meter receiver; I think it was called the Micro 20; I have one, a Radiokit version, no less. It has an s-meter and agc, like the big rigs. It had an excellent crystal filter, and it was the first widely published full receiver to use the NE602 mixer/oscillator IC for a Superhetrodyne ham receiver. The author mentioned in passing at the end of his article that stealing a little RF from the VFO could be used to drive a transmitter. A few months later, Littlefield took up his own challenge and added a transmitter strip on a second pc board and a T/R switching circuit, plus a second IF filter and switchable audio filter, the latter three mounted on a third PC board. Mind you, these boards are so tiny they shoehorn into a really tiny case. This was a VFO rig, covering the full band, capable of 5w output (adjustable yet) with a receiver that had enough gain to drive an internal speaker! And the receiver had very very sharp filtering, was hot as you-know-where, and .... You get the idea. Flies in the ointment were: The rig was so small, fixing it or troubleshooting was like working on a modern Handie-talkie. It had a little relay for T/R switching, instead of the more modern solid state QSK. And it was unstable above about 4watts because the thing was so small, RF got into everything. My 20m version didn't work off the bat, and it required extensive troubleshooting and outside (Elmer) help to make it go, but it was a gem. I gave it to a friend who still has it, and it works beautifully.

Finally, Littlefield reworked the rig, fitted the essentials on a single PC, and left off the second IF filter. It was essentially the same radio, except it had less interwiring and more squeezed onto the single pc board, and it still fit in the same case. Needless to say, it was a great rig...the only

one in its time to drive a speaker, and a lot of these were made. Radiokit kitted them all, but their corporate attitude seemed to be that they supply the board, bag-'o-parts, copy of the article, mods (mods on mods on mods up the ol' wazoo) and a nice case for an even hundred bucks. But for that price, they considered themselves a parts gathering service, rather than a kit maker. If it didn't work, they didn't have a bench service, to say the least!

This was all about five or six or more years ago. And the Micro 20 must be ten years since publication, but I can look it up if you need the citation. Anyway, those first Littlefield rigs were very well designed, and many clones that followed didn't have as much gain or sensitivity (or selectivity), so they looked similar in the schematics, but couldn't drive even a small speaker. On the other hand, the basic '602 rig did improve little by little(field?) until we have the various superb evolved derivatives sold by the familiar kitmakers mentioned on this list. Kits by SWL, Wilderness, Emtech, Kanga, and OHR, to name a few, owe some or most of their derivation to the Littlefield QRPxx rigs. The modern versions all have figured out how to get rid of the relay in favor of solid state QSK, and they are all nice rigs. My QRP20 and QRP30 (the 30 is a one-board version) will still compete favorably for receiver quality, size, and portability, which is a tribute to the excellence of the original design Rick Littlefield created.

72,

Preston Douglas WJ2V

-----  
Date: Thu, 19 Mar 1998 17:04:23 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6414] still waiting Re: ramsey amp  
Message-ID: <597cdc6f.3511966a@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

To the person that said he sent me a check for the 40 meter qrp rig,AMP,  
It's been almost 2 weeks so I will let it go to someone else,if I do not hear  
from you by Monday

Bob  
WA2HQQ

-----  
Date: Thu, 19 Mar 1998 17:20:12 EST  
From: FrConrad <FrConrad@aol.com>

To: qrp-1@Lehigh.EDU  
Subject: [6415] Awash in ignorance  
Message-ID: <b2311b98.35119a1e@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hello all,

Does everybody who gets the QRP-L list have a QRP-L number (for the FOX hunt report), or do you have to be special?

Enlighten me O wise ones.

John+

-----  
Date: Thu, 19 Mar 1998 22:23:12 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [6416] Re: SLR rcvr  
Message-ID: <35119AD0.A6A@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks to Richard, NU6SN for the F-U-N QSO. It was great at I vividly remember and enjoyed the QSO/Experiment. It was quite a nice ragchew.

Also Thanks to Dave for sharing his thanks and enthusiasm.

I hope I can pick up the issue around here somewhere.

FOX Alert: This last G/A/E FOX pelt must be mine! Hopefully I'll be back from my horseshoe club court-prep for this weekend's tournament in time for the end-of-season celebration.

It has been a MOST wonderful Year. April 1st marks my 1 year membership on qrp-1.

How sweet it is! 72! Ed/we6w

dave\_epps@juno.com wrote: (Not an exact quote)

>

> Has anyone built the shielded loop receiver shown in the Apr. issue of

> worldradio mag page 47? I sent for the kit .  
> The article mentions a contact with Ed Loranger WE6W while Richard Fisher  
> NU6SN was evaluating this little rcvr. A QRP to QRP contact at that.  
> Thanks to Ed for being there and giving some publicity to QRP.

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Wed, 18 Mar 1998 23:35:47 -0700  
From: Jerry Conover <jerry.conover@NAU.EDU>  
To: qrp-l@Lehigh.EDU  
Subject: [6417] Re: QRP-L digest 1033  
Message-ID: <3510BCC3.E1C75F2A@nau.edu>  
MIME-version: 1.0  
Content-type: multipart/alternative;  
boundary="-----35D90EDA1C43C8E89DB5861D"

-----35D90EDA1C43C8E89DB5861D  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\*\*\*\*\*  
re:

Looks like the business travel is going to get more this year and maybe the rare KB8YKJ call will get aired on QRP CW - normally I just bring a 2m/70cm HT over with me.

Anyone done much operating from hotel rooms? What did you use for antennas - I'd like to use my MFJ 9020 (and eventually my 38Special when I replace the fried IRF510 and my Elmer101 40m rig when finished). I was thinking of say shortening a dipole by inductively loading by wrapping some length around plastic piping. Anyone got any good idea how much I could/should shorten a dipole like this or got a better idea. Ideally I'd like a monoband no-tune antenna to save having to carry ATU and SWR meter. A counterpoised 1/4 wave hanging out the window would probably be pretty good but how many hotels have opening windows these days!!

Just how many hotel TVs and phones does 5W take out????

Brian G0UKB (and very very occassionally KB8YKJ/P)

\*\*\*\*\*

Well, Brian, I've tried a few approaches to operating from hotel rooms, all using a Small Wonder Labs 40/40 rig (3-5 watts or so, depending on power source), with limited success. First, just a modest length (maybe 40-50 ft) of wire strewn around the room between lamps, smoke detectors, door closers, etc., has worked as a "short long-wire," but not very well. I've had better results running wires outside windows (by the way, if you have a room with a little window that opens at least a few inches, you can enlarge a space in the window screen a little and shove the wire through it, preferably behind a curtain or out of sight where others won't appreciate your handiwork).

My best results have been when I could get one end of the wire (about 135 ft or so) up into a tree. I recall one night in Boulder a couple years back, arriving around 9 p.m., and then heading out to the dark parking lot with my fishing pole to cast a line over the trees adjoining the lot (and near my room). Made quite a few casts, when guests weren't in the lot, before getting it to a reasonable location. When people were driving or walking by, though, I pretended to be getting fishing gear from my car so they wouldn't report the weirdo to the manager. To run the wire to my room, though, I wound up having to sneak it along the exterior wall, under neighboring balconies, etc. ... all very suspicious-looking, I must admit. Operating results weren't worth all the effort, but it was fun trying.

One approach I don't recommend was one I tried in Anaheim from the 19th floor of a hotel near Disneyland. This place had a window from which I could drop a wire, so I made a "top-fed vertical" long-wire, lowering my 135' of wire with a fishing sinker tied to the far end (I was able to loosen one corner of the screen to pass that through) until it dangled precariously near lots of windows below down to about the 4th story. But I didn't make a single contact with that set up. I was disappointed, 'cause I asked for a room high up so the elevation would help. Guess my wire was too near the building's steel framework underneath the concrete, perhaps.

Anyhow, it's been fun trying such schemes, and I encourage you to pack the old rig along and see what you can do. It's one way to kill an evening on the road, and the XYL ought to appreciate it more than your carousing in the bars.

72 de AB7II  
Jerry

-----35D90EDA1C43C8E89DB5861D  
Content-Type: text/html; charset=us-ascii  
Content-Transfer-Encoding: 7bit

<HTML>

\*\*\*\*\*

<BR>re:

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<P>72 de AB7II  
<BR>Jerry</HTML>

-----35D90EDA1C43C8E89DB5861D--

-----  
  
Date: Thu, 19 Mar 1998 17:32:55 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: FrConrad@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6418] Re: Awash in ignorance  
Message-ID: <3511C747.44955422@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

FrConrad wrote:

> Hello all,  
>  
> Does everybody who gets the QRP-L list have a QRP-L number (for the FOX hunt  
> report), or do you have to be special?

>  
> Enlighten me O wise ones.  
>  
> John+

We are ALL special, especially those of us who  
have read the list of magic utterances contained in the  
magic sorcerer's file known as WELCOME.TXT, even  
on down to that dread utterance:

RUN QRP-L X GETNR callsign

which must be uttered to the dread listserv@Lehigh.EDU  
instead of to the magic qrp-l@Lehigh.EDU

-----  
Date: Thu, 19 Mar 1998 16:51:35 -0600  
From: "Tim, KD5CKP" <Prog922@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6419] Re: Awash in ignorance  
Message-ID: <3511A177.6272@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

LYN WILLIAMS wrote:

>  
> FrConrad wrote:  
>  
> > Hello all,  
> >  
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> on down to that dread utterance:  
>  
> RUN QRP-L X GETNR callsign  
>

> which must be uttered to the dread listserv@Lehigh.EDU  
> instead of to the magic qrp-1@Lehigh.EDU

Huh??

-----  
Date: Thu, 19 Mar 1998 18:03:06 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6420] FREE batteries????YUP!!!!  
Message-ID: <6d8e2a12.3511a42c@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I do the same thing.  
I hit every recycle place and I find about 85 %of the batteries are good  
Hospitals and doctors are another good place to have good contacts.  
When they use a battery for 15 minutes they toss it in the recycle bin  
I can't remember when I paid for a battery last.  
I give away 3 to 4 hundred a month.  
That RS battery checker paid for itself in the first ten minutes of use  
Thought this was worth passing along as the price of batteries keeps going up.  
I ask,they give,I check and keep the good and return the bad ones  
Bob  
WA2HOQ

-----  
Date: Thu, 19 Mar 1998 16:05:23 -0700  
From: Niel Skousen <nskousen@scientechn.com>  
To: qrp-1@Lehigh.EDU  
Subject: [6421] Re: Hotel ops...  
Message-ID: <v04003a00010e03eebc42@[10.10.24.61]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

My best hotel operations have been w/ wire out the window - BUT - I took a  
small - broken fishing pole and got the 65' 24ga teflon (dark !!) wire abt  
8' out from the hotel wall, 20' on floor for counterpoise. I was the NT  
fox that night from Houston so I had that to help !!! Contacts included  
AZ, NM, SC, UT, and one up near the great lakes.

I've also used same 24ga wire thru the screen (w/ NO screen damage), then

went down and took the end out to a tree abt 30' from hotel..

Good luck  
Niel

Station was NC-40/KC1, ZM-1, wire... Lots of fun in small pkg !

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Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG      nskousen@scientech.com  
208.525.3742, FAX 529.4721 Idaho Falls ID      WA7SSA QRP-L.119  
Z-----DN33wm--- . . . -

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Date: Thu, 19 Mar 1998 16:08:32 -0700  
From: "Phil, K6LS" <k6ls@prolynx.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [6422] Re: NPO caps?  
Message-ID: <3511A570.800C9885@prolynx.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just to clarify, If I am not mistaken, it should be NPO as in  
N P zero. NOT N P Oh. just one of the million or so things  
I have picked up on by being a list subscriber :-)

72 de Phil K6LS

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Date: Thu, 19 Mar 1998 18:52:59 EST  
From: JkHampton <JkHampton@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [6423] QST QRP Net ??  
Message-ID: <6f99864f.3511afdd@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi All,

Last night I checked into a net with Bob, N9ZZ as the NCO. It was called the  
QST QRP Net.

What luck, I thought I would see what the Tuna Tin 2 would do and my crystal is right on the spot Bob was operating. My Scout was receiving him on 7.0438 Mz. Other Qso's with TT2 were the same freq. Made solid contact with him running 250mW and an attic dipole. ( rst 449)

Anyway, what is the QST QRP net all about? I ran into it purly by accident. (Checked in on purpose but found it by accident I mean to say.) Is it from W1AW with guest NCO's? Is that their regular freq and is 1:00z on Wednesday's the regular time. If so I will try to check in often with the TT2.

I know that the freq will be + - ? for QRM and NCO's don't usually have time to look around for check-ins. Hope it wasn't a fluke cuz it was great fun and I hope to be try it agn with the TT2. Can always use the Scout but 5w is beginning to seem a little bit like OVERKILL :<)>

Thanks in advance for the info. and the best of CW / QRP / QRPP to all,

72 de AC5JH  
Tom

----- Headers -----

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End of QRP-L Digest 1034

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